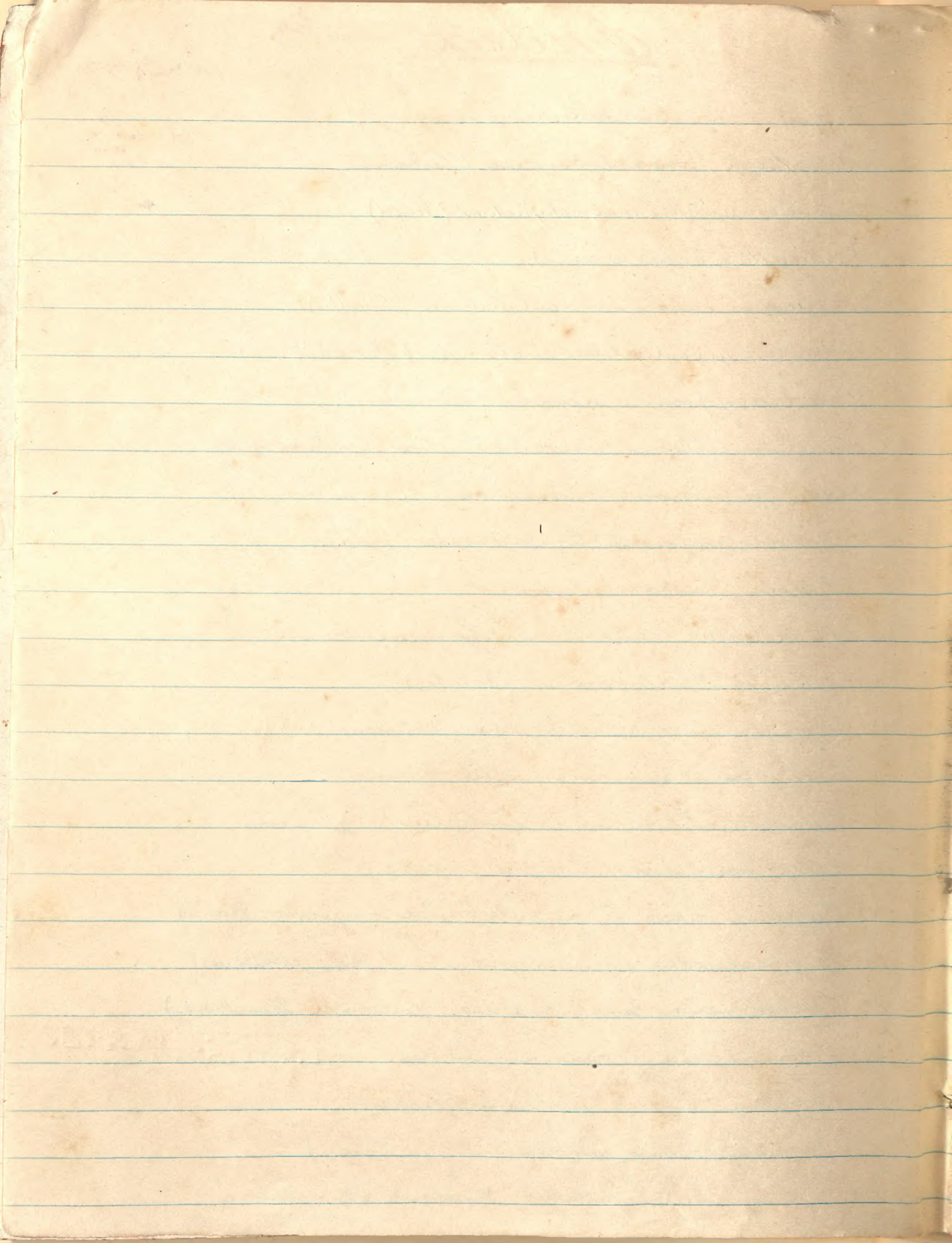
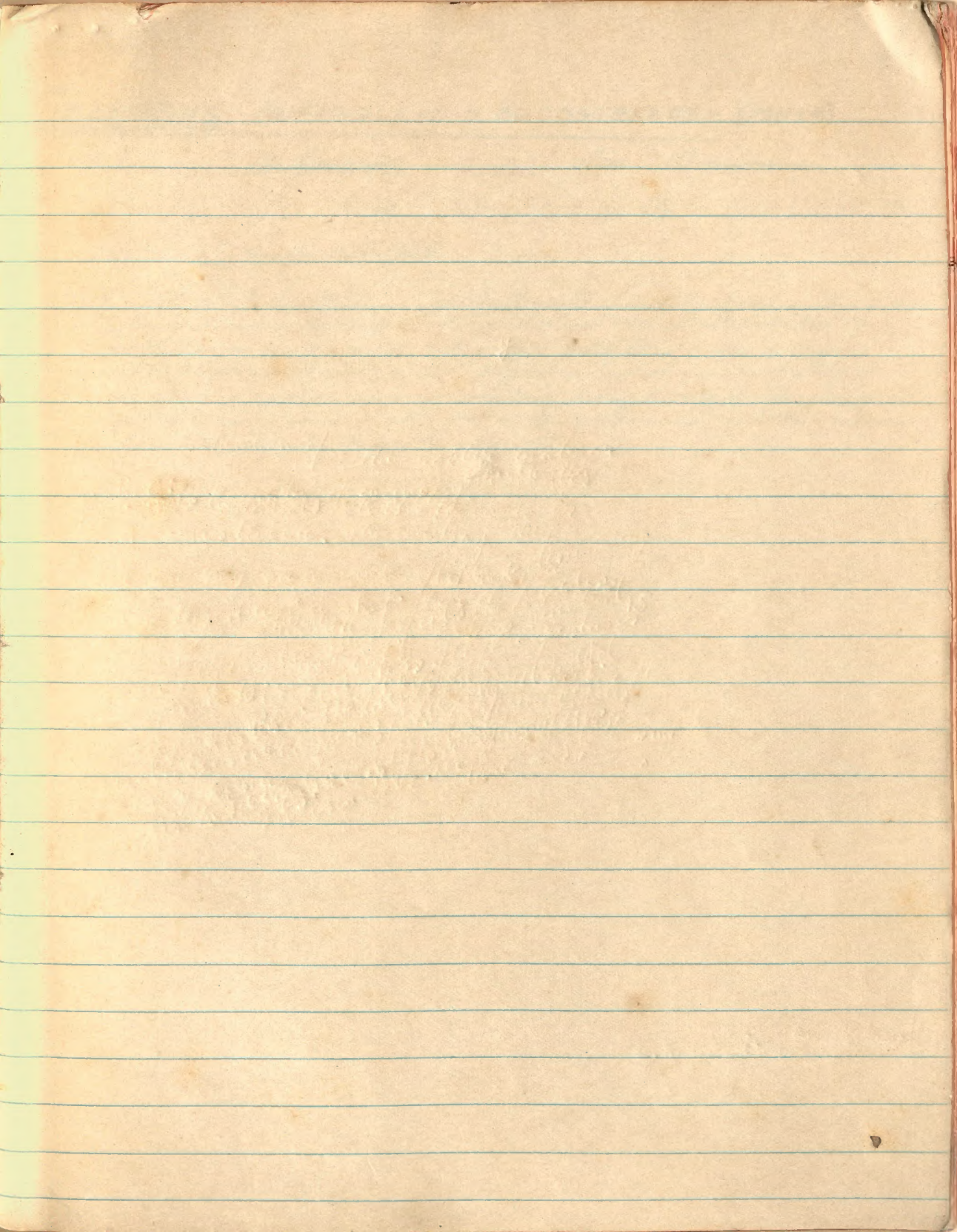


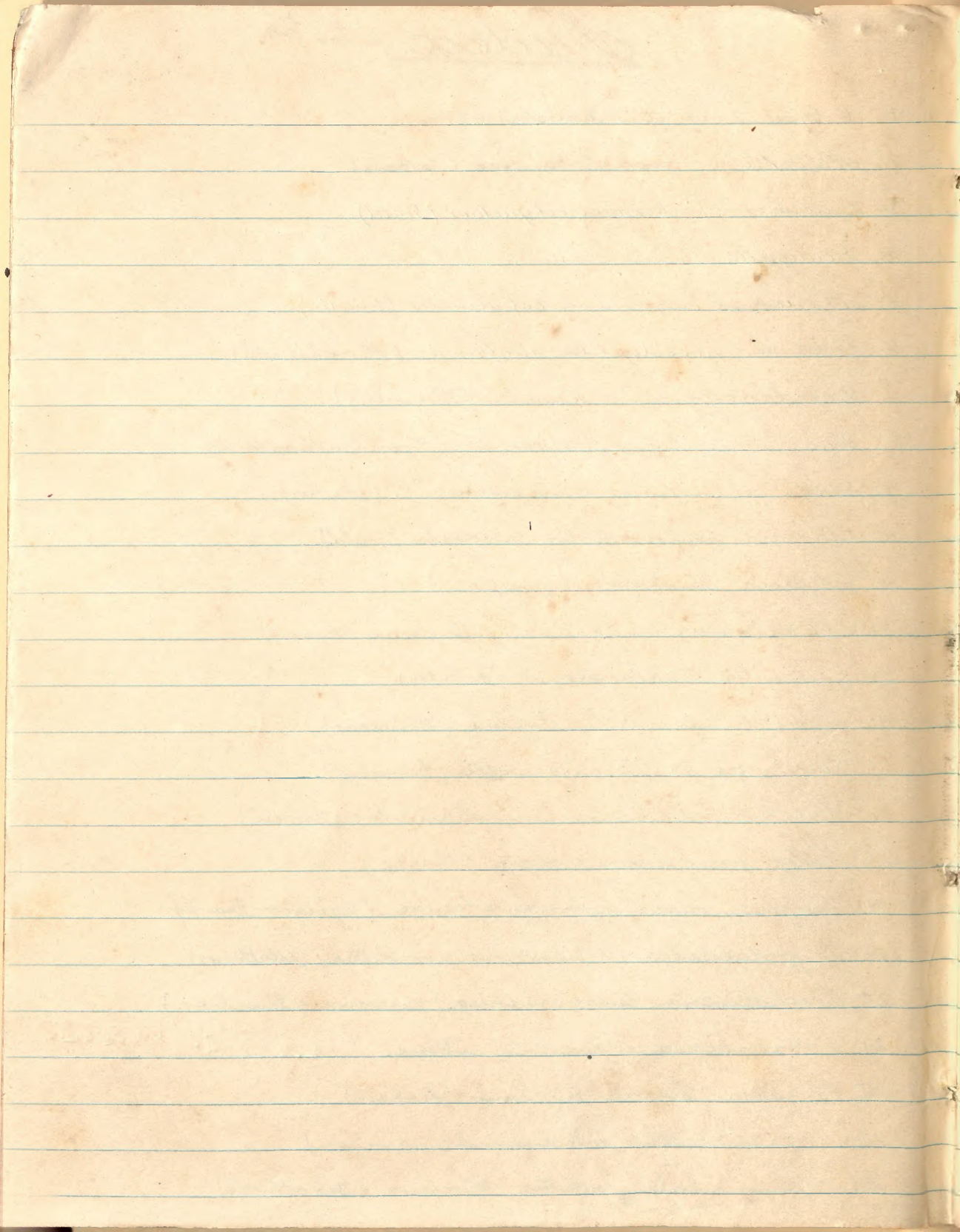
claim arrived. Friday 17th Feb. gave 40 francs and 200 francs to his wife on share (cf. Bond)
by registered post on the 21st Feb.

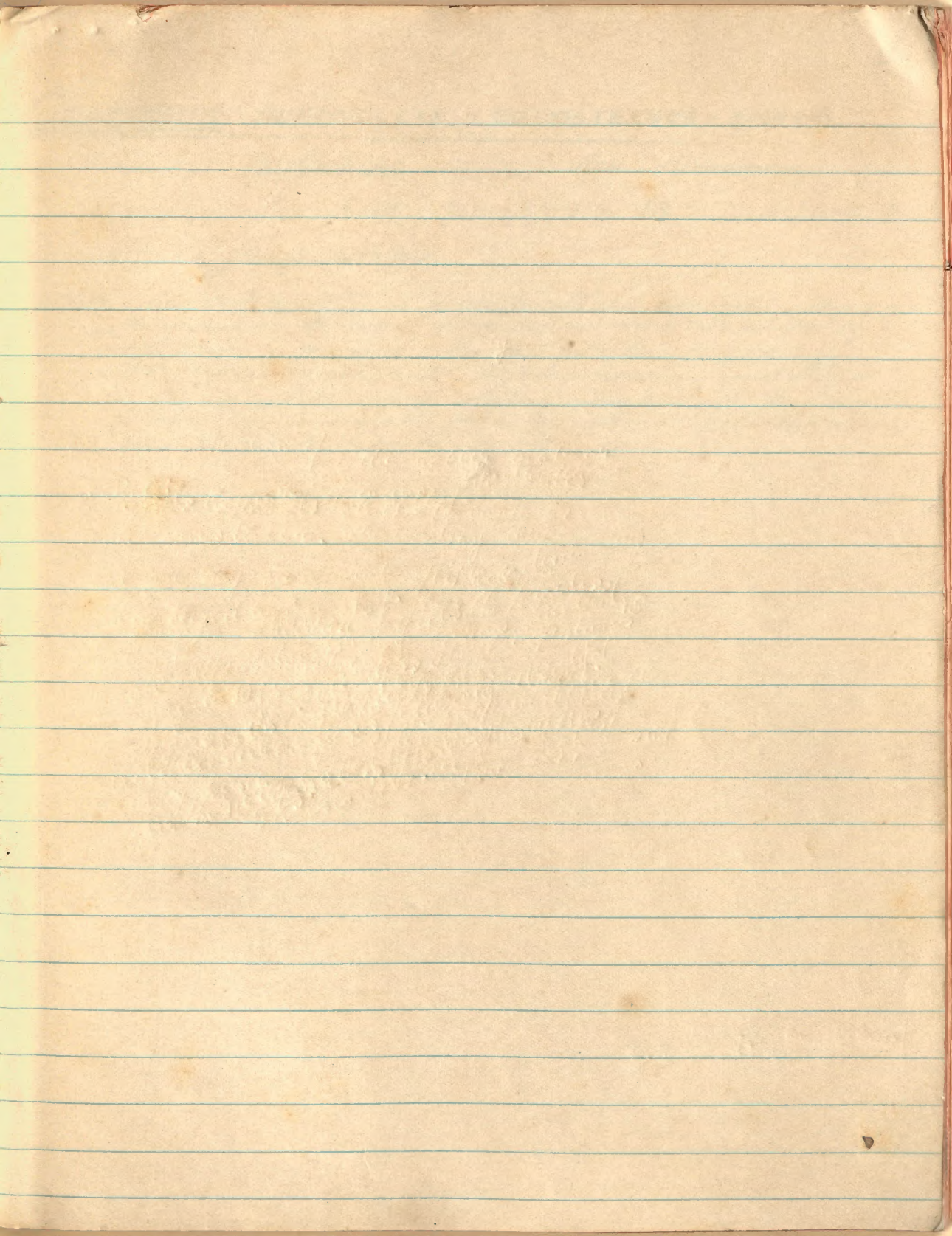
Index :- $\frac{1}{100}$ $\frac{1}{124}$.

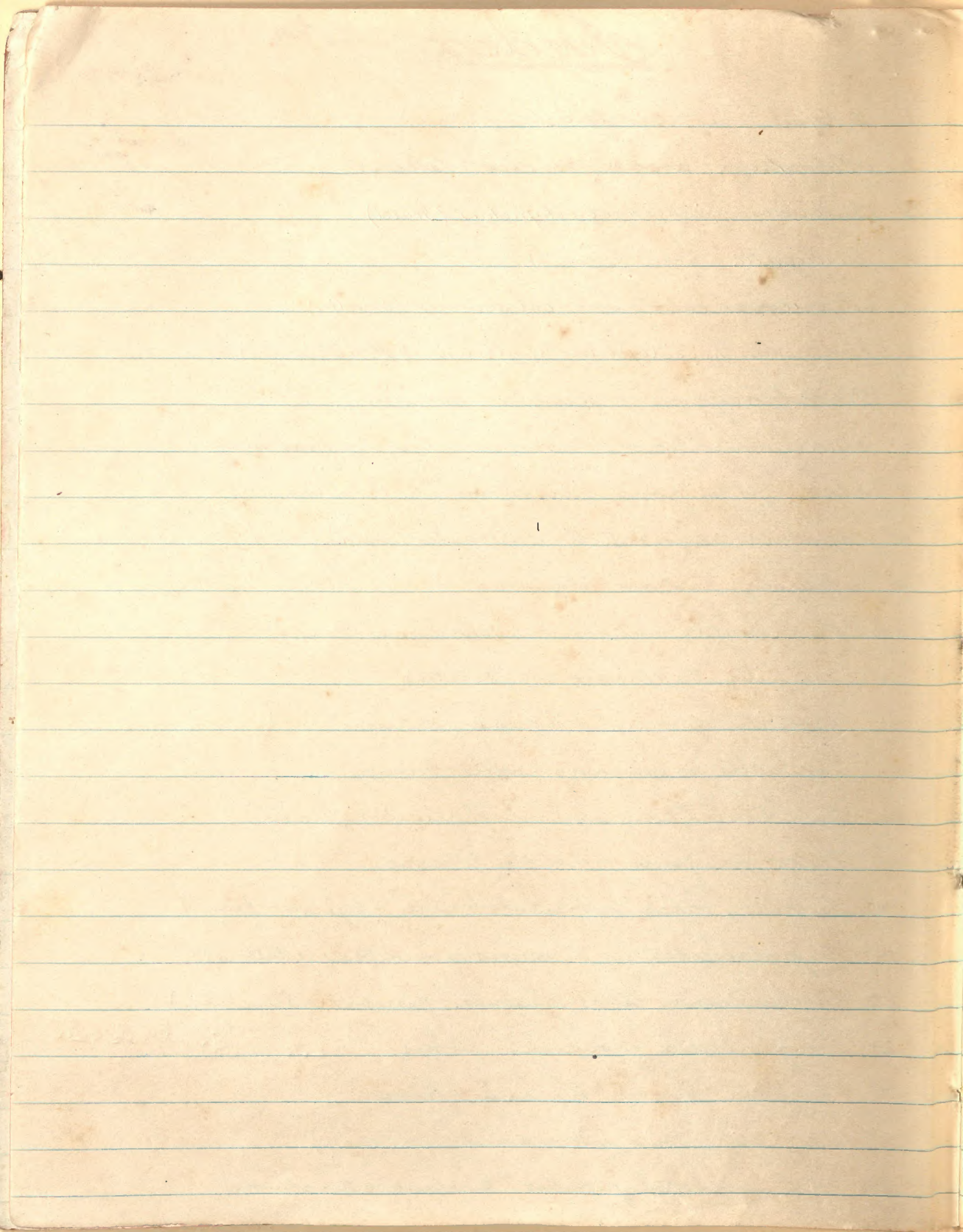
1. *Colymbus ruficollis leucosternos* (May).
2. *Actotrochus novae-hollandiae* (Latham)
3. *Butorides striatus macrorhynchus* (Gould)
4. *Demigetta sacra* (Smelin).
5. *Myticorax caledonicus caledonicus* (Smelin)
6. *Botaurus poeciloptilus malkewsi* (Hachisuka).
7. *Dendrocygna arcuata* (Horsfield).
8. *Anas superciliosa pelewensis*. (Finsch + Hartlaub).
9. *Anas gibberifrons gibberifrons* S. (Muller).
10. *Spatula rhynchotis variegata* (Gould).
11. *Nyroca australis* (Byton)
12. *Haliaeetus spheerurus johannae* (Brasil).
13. *Accipiter haplochrous* (Selater).
14. *Accipiter fasciatus vigilax* (Wetmore)
15. *Circus approximans wolffi* (Surney)
16. *Pandion haliaetus microhaliaetus* (Brasil)
17. *Falco peregrinus ernesti* (Sharpe.)
18. *Turnix varia novaecaledoniae* (Ogilvie-Grand).
19. *Hypotaenidia philippensis swindellsi* (Matthews)
20. *Tricholimnas lafresnayanus*. (Verreaux + Desmurs.)
21. *Porzanaioidea tabuensis* subsp.
22. *Porzana cinerea ingrani* (Brasil)
23. *Porphyrio albus caledonicus* (Saxasin)
24. *Rhynochetos jubatus* (Verreaux + Desmurs).

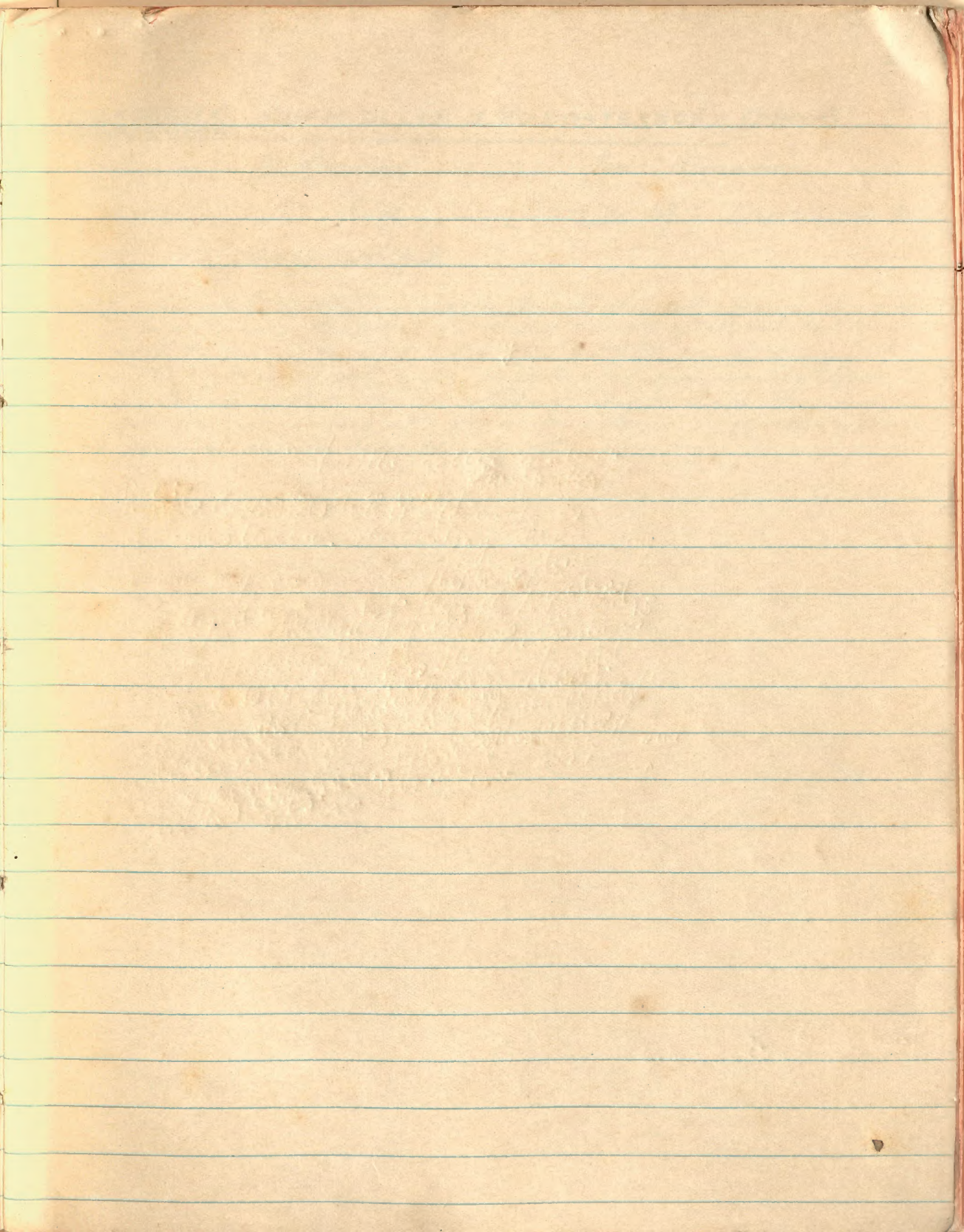


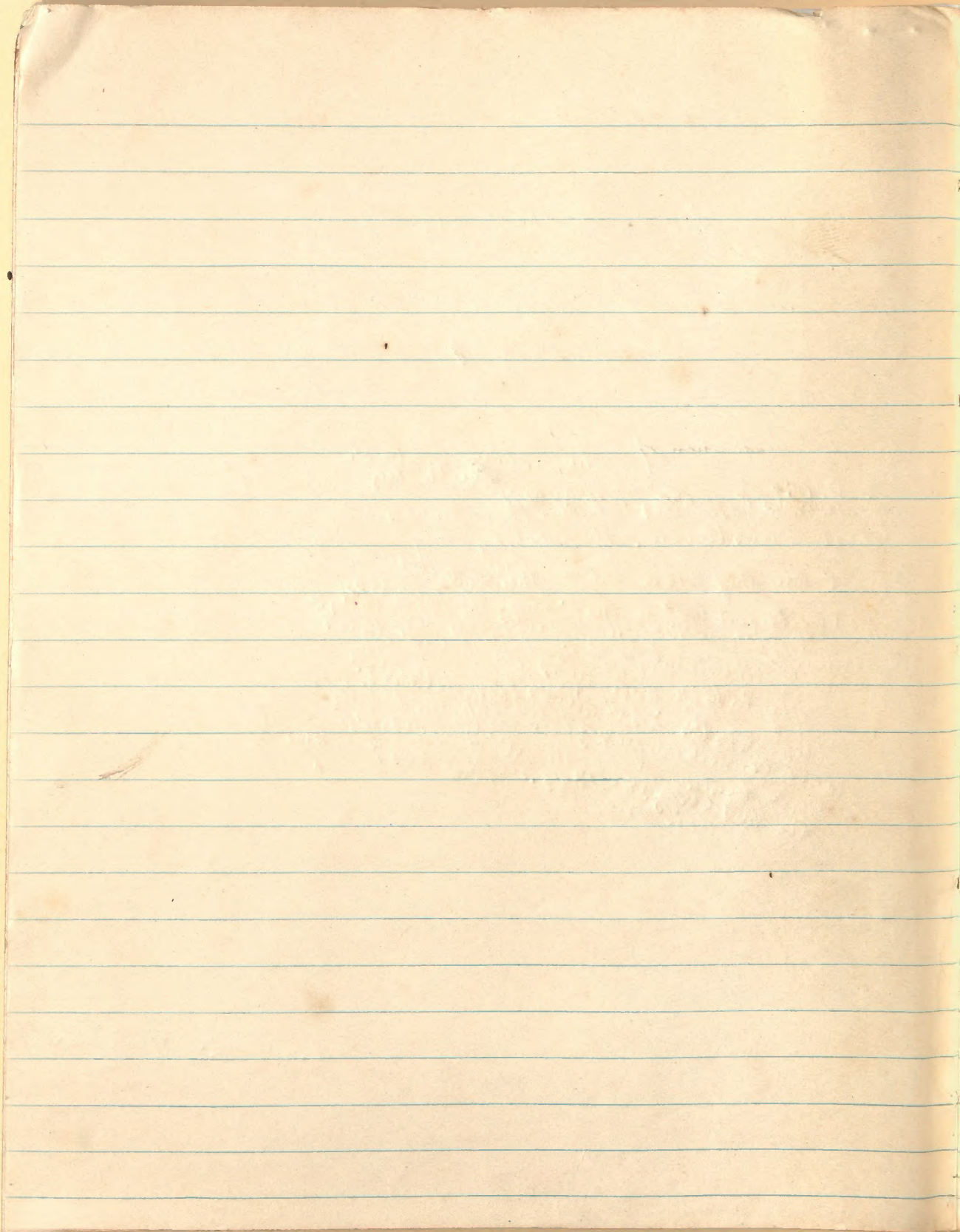












1

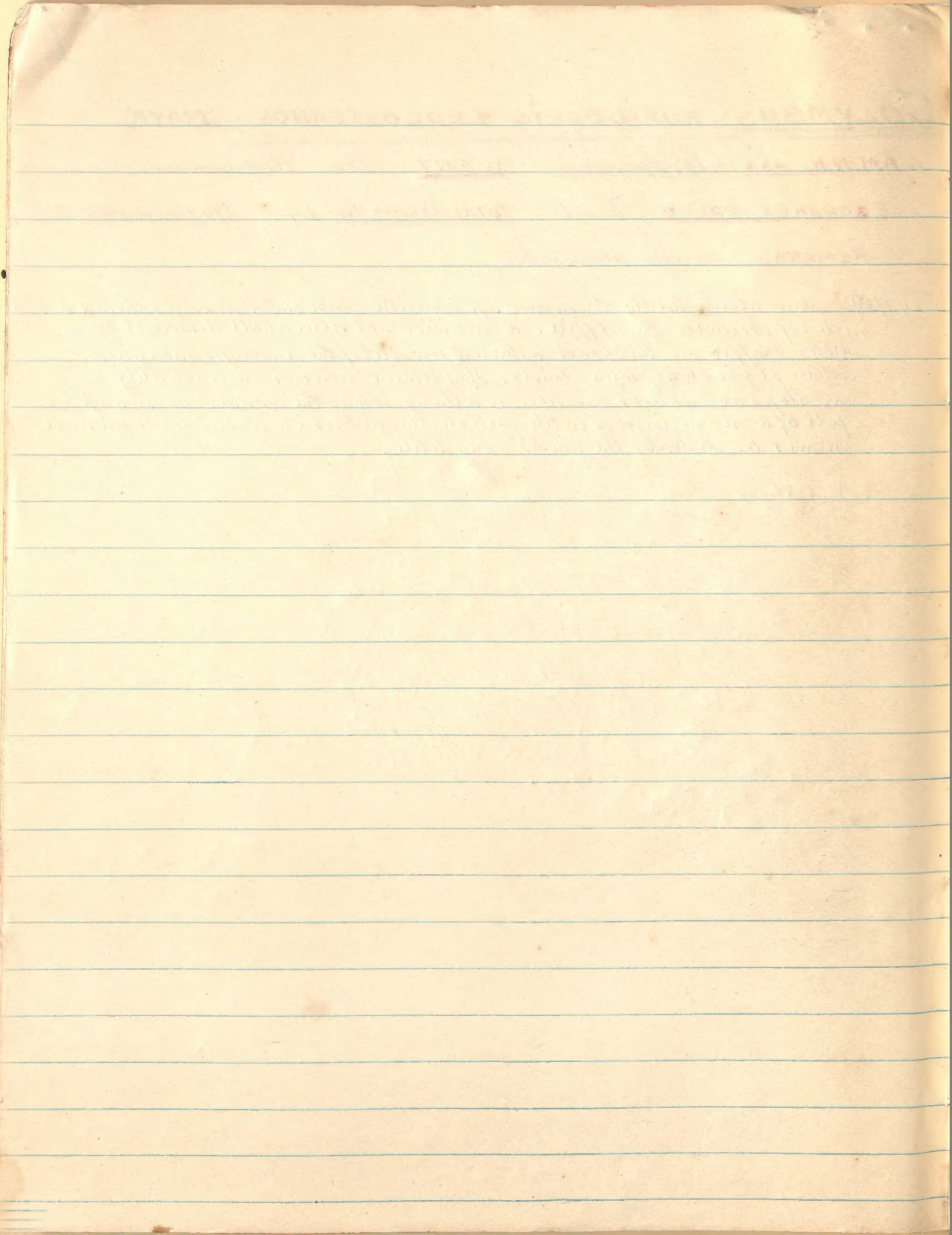
COLYMBUS RUFICOLLIS LEUCOSTERNOS:- (MAYR).

A.M.N.H. HAS No specimens WANT Ten. 10 specimens.

EXCHANGE VALUE : Good TOTAL PERMIT No. 14 NO. FOR NOUMEA, 2.

REMARKS single red tick

21/2/39. Saw about twenty P. on swamp alongside dense Vatter Road, within 2 to 3 miles of Noumea Post Office. Birds did not seem at all disturbed by motor traffic on the road within a few feet of the swamp's margin, within 50 yds & less of some birds. They become nervous immediately a car stops or natives are seen walking along the road. The swamp is full of a reed weed, & cattle feed on the rushes in it but their presence seems to disturb the birds very little.



2.

NOTOPHOYX NOVAE HOLLANDIAE :- (LATHAM).

A.M.N.H. HAS 0 (NIL). WANT 4 (four)

EXCHANGE VALUE. BAD. TOTAL PERMIT NO. 7 (seven)

NO. FOR NOUMEA 2.

REMARKS. UNINTERESTING

3/5/39. Noted numbers of this species all along the Waile River valley, right from far up in the mountains 10 miles from the sea to the mouth itself.

4/5/39. Seems rather shy, a number seen along the river near the camp. Shows considerable variation in shade of plumage.

5/5/39. Noted after the heavy night of heavy rain the river was in flood & this species left its usual haunts along the river margins & fed in flocks of 20 + more on the grass paddocks, (river flats) along the margins of the river. Are somewhat shy. Are persecuted to a limited extent by natives for eating.

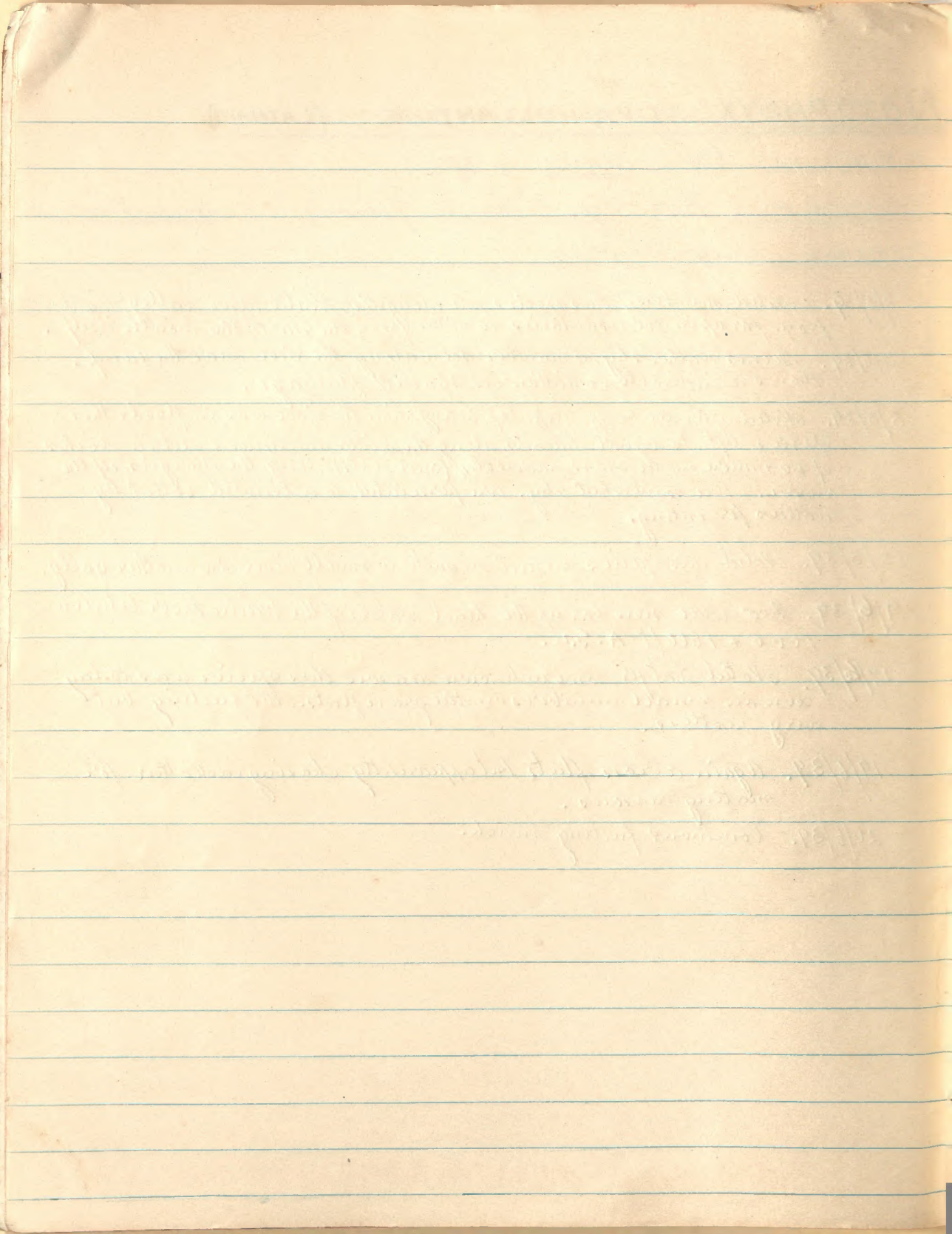
15/5/39. Noted this species present on quite a small river in another valley.

9/5/39. Two were seen far up the head waters of the Waile River between 1000 + 1500 ft A.S.L.

17/6/39. Noted that for some unknown reason this species was today seen in small numbers on the grass flats. Not feeding but very restless.

19/6/39. Again across flats but apparently chasing each other for mating reasons.

20/6/39. Common & feeding much.

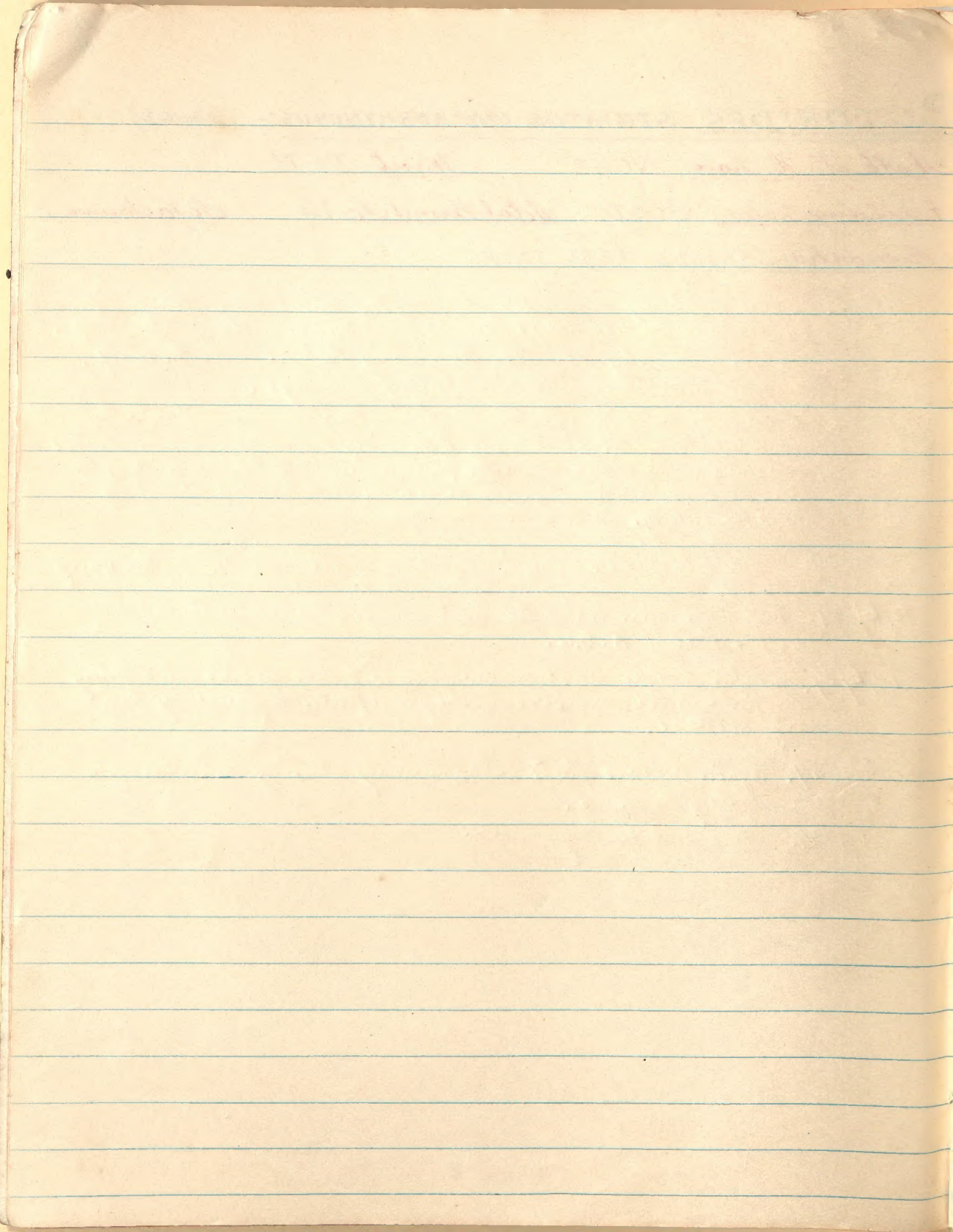


BUTORIDES STRIATUS MACRORHYNCHUS:- (GOULD)

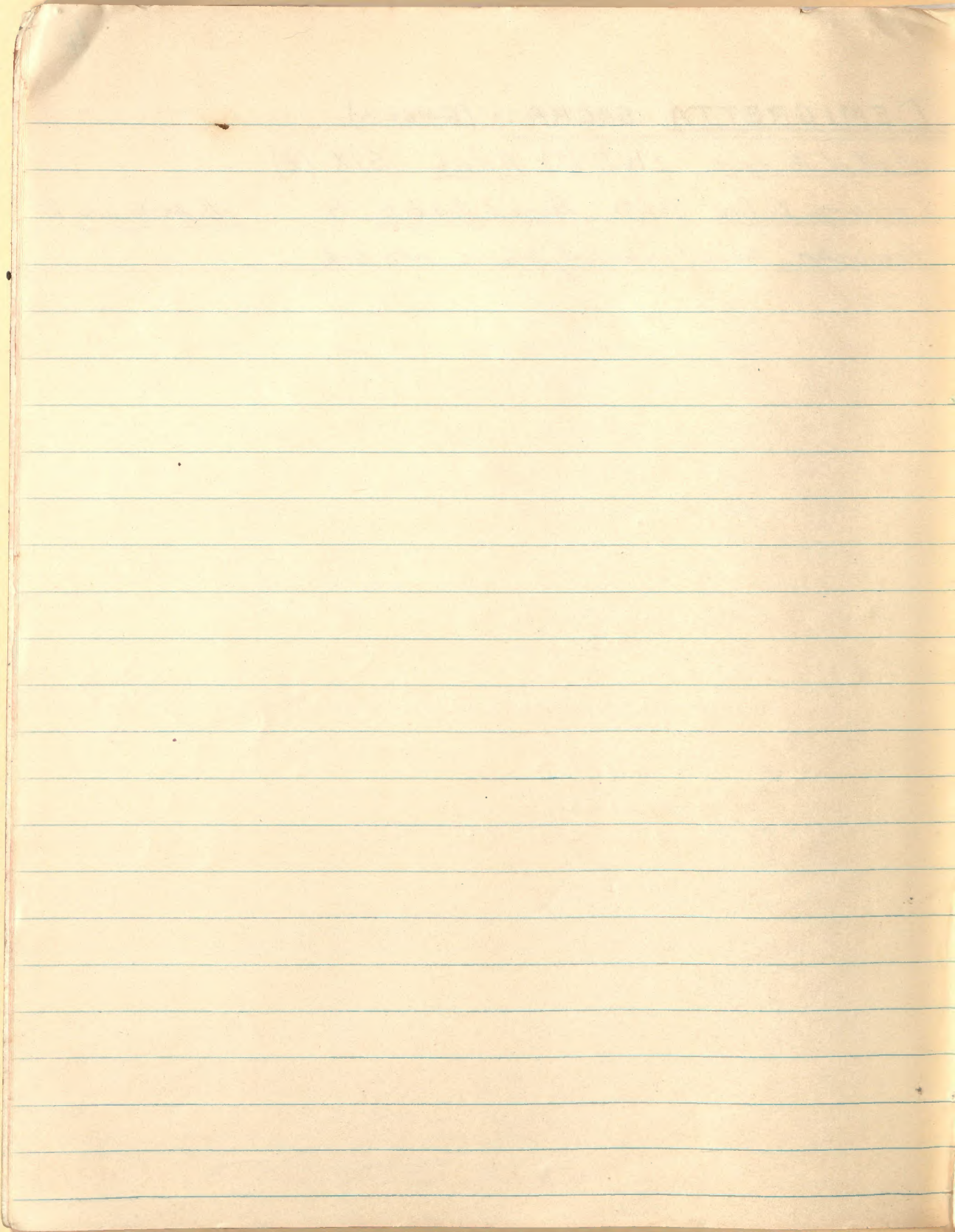
Act. et. H. have: NONE Want TEN

Exchange Value. GOOD Total Permit \$14 cto. factoumea. 2

Remarks. SINGLE RED TICK.

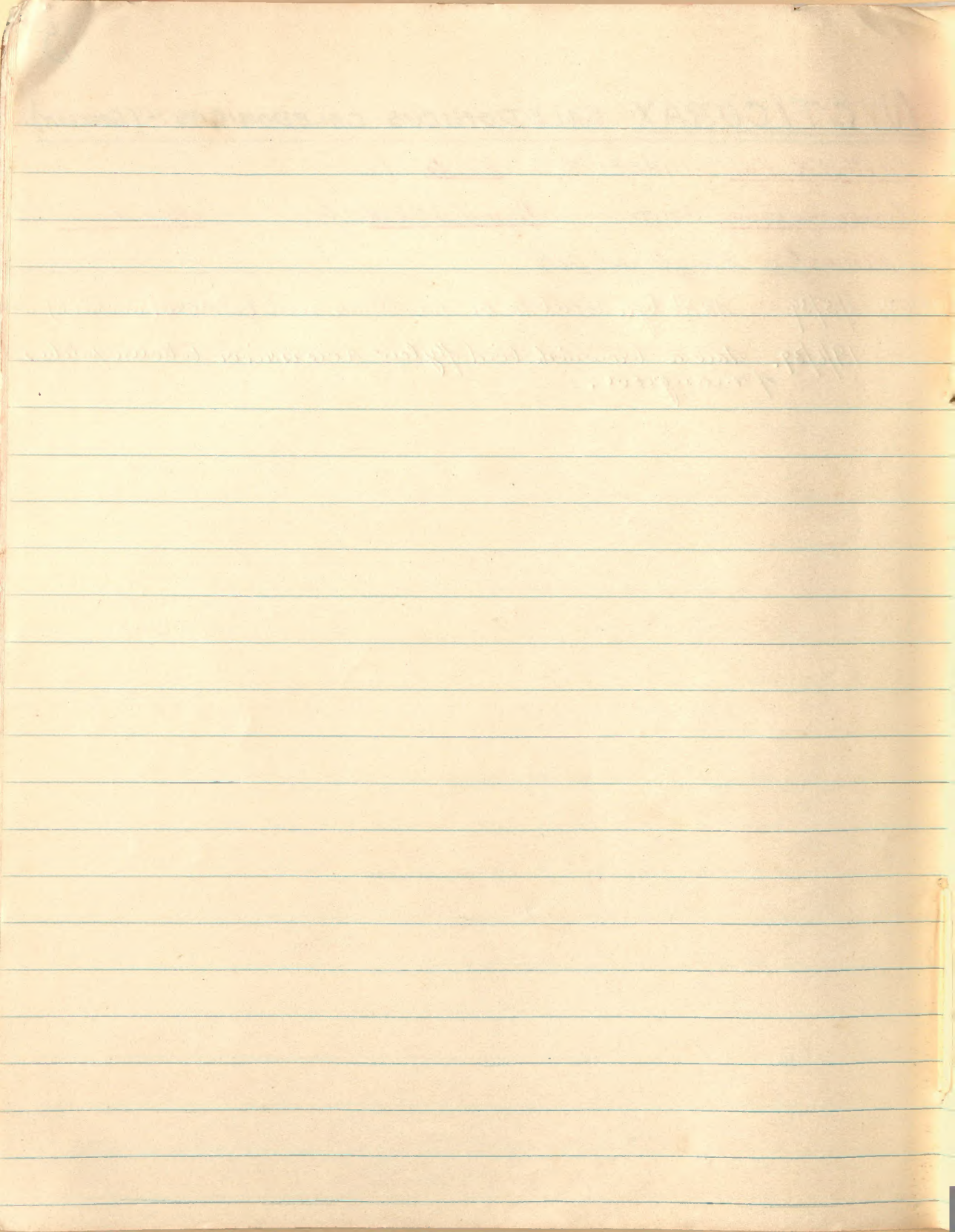


DEMIGRETTA SACRA :- (GMELIN).At N.B. have TWO (2) Want SIX (6)Exchange Value BAD. Permit Totals 8 no. for N.B. 2Remarks. Reputed particularly large N.C. No tick



NYCTICORAX CALEDONICUS CALEDONICUS :- (GMELIN).A. Mch. B. has THREE (3) Wants 12Exchange value GOOD. Permit Total of 16 of. for Laumea. 2Remarks Single red tick

WILD 3/5/39 :- said by a local to be sometimes seen but rare (unreliable).
 19/6/39. Saw a brownish bird fly low across river between patches of mangrove.

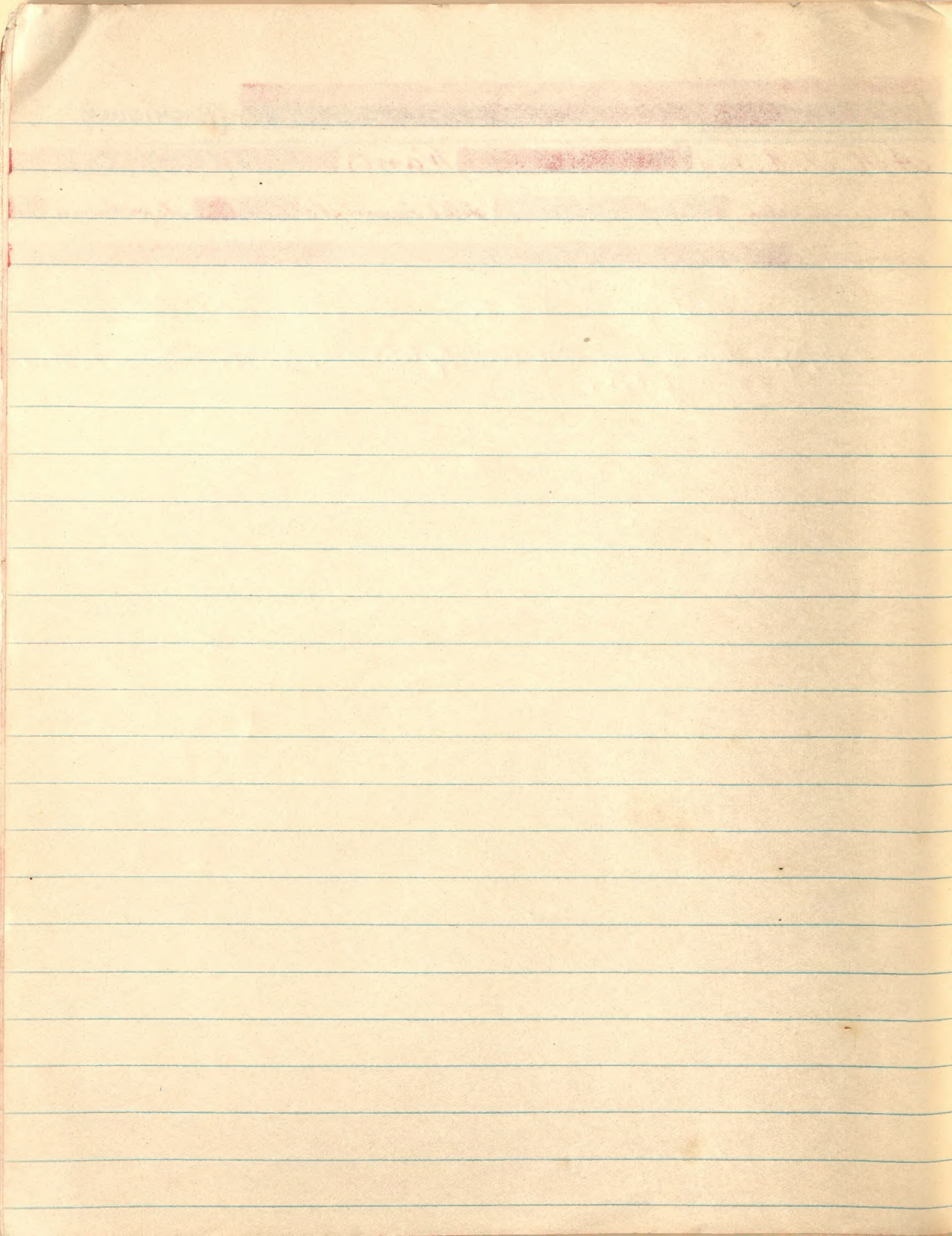


BOTAURUS POECILOPTILUS MATHEWSI - (HACHISUKA).

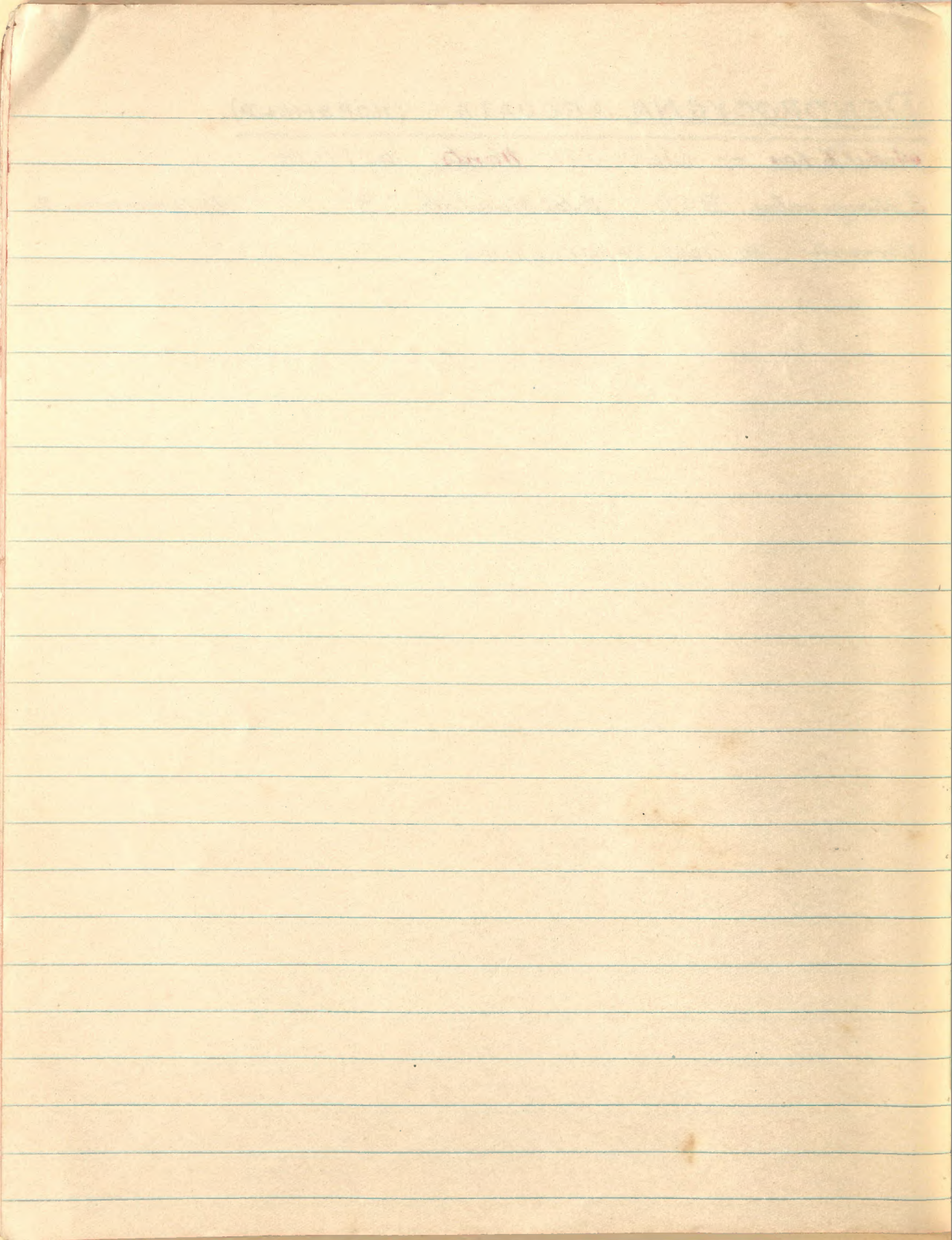
A. G. N. B. has NIL. (0) Wants TEN (PLUS) (10+).

Exchange value. VERY GOOD. Total Permit No's 14 No. for exchange 2

Remarks DOUBLE TICK & LINE (RED).



DENDROCYGNA ARCUATA: - (HORSEFIELD).Actual No. seen - NIL.Wants. (4.) FOURExchange value. BAD.Total Permit No. 8No. for exchange. 2Remarks NO TICKS: UNINTERESTING.



ANAS SUPERCILIOSA PELEWENSIS:- (FINSCH & HARTLAUB)

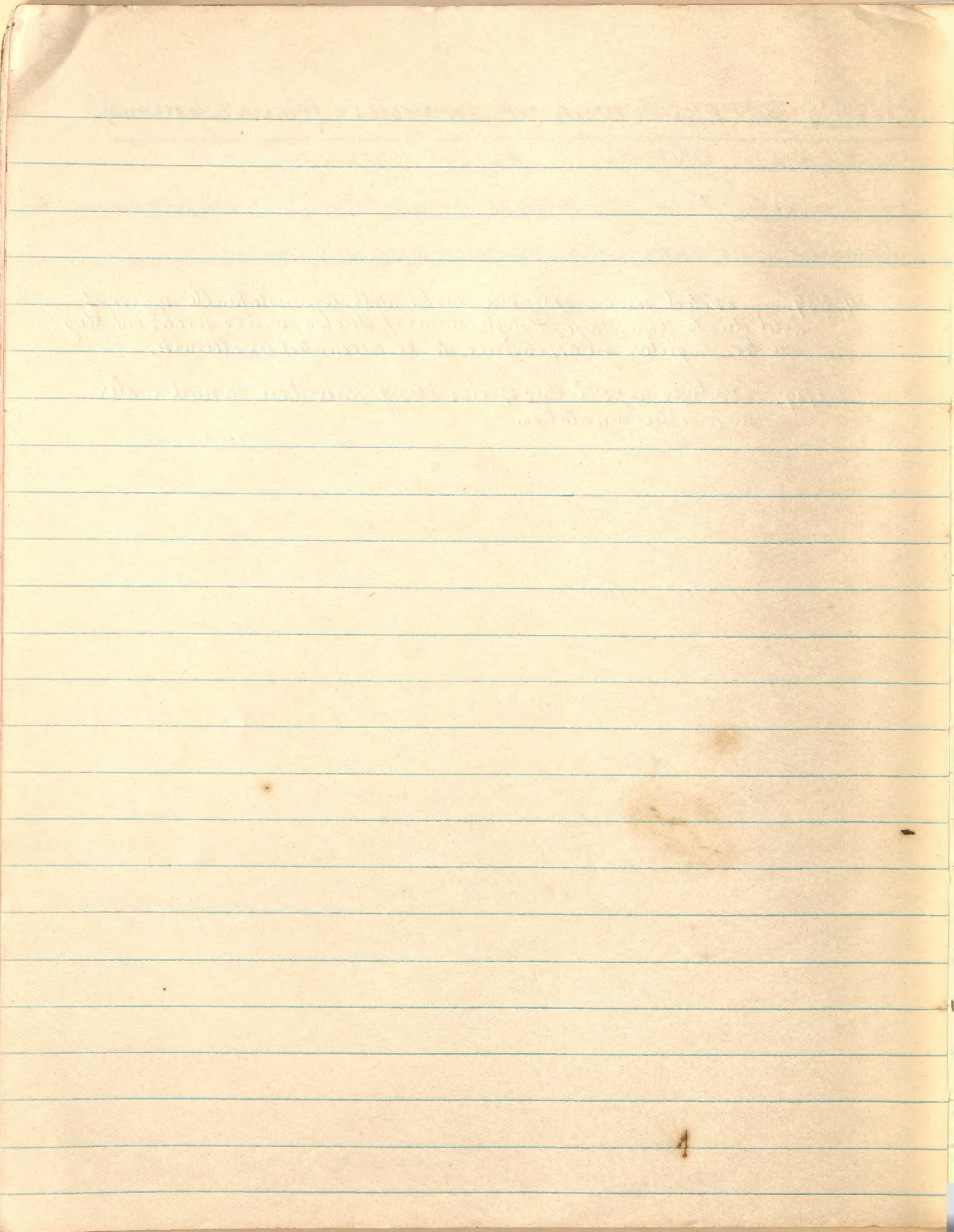
Collector No. has ONE (1) Wants SIX (6).

Exchange value. FAIR Total Permit No. 8. No. for Noumea 2.

Remarks. NO TICKS. (SERIES FOR INTERMEDIATE SIZE: Loyalties)

14/3/39. Noted some domestic ducks with unmistakable signs of wild duck parentage, though owner of ducks denies such, but they are too regular in appearance to be accounted for otherwise.

19/5/39. relatives report this species being present on casual water in a coffee plantation

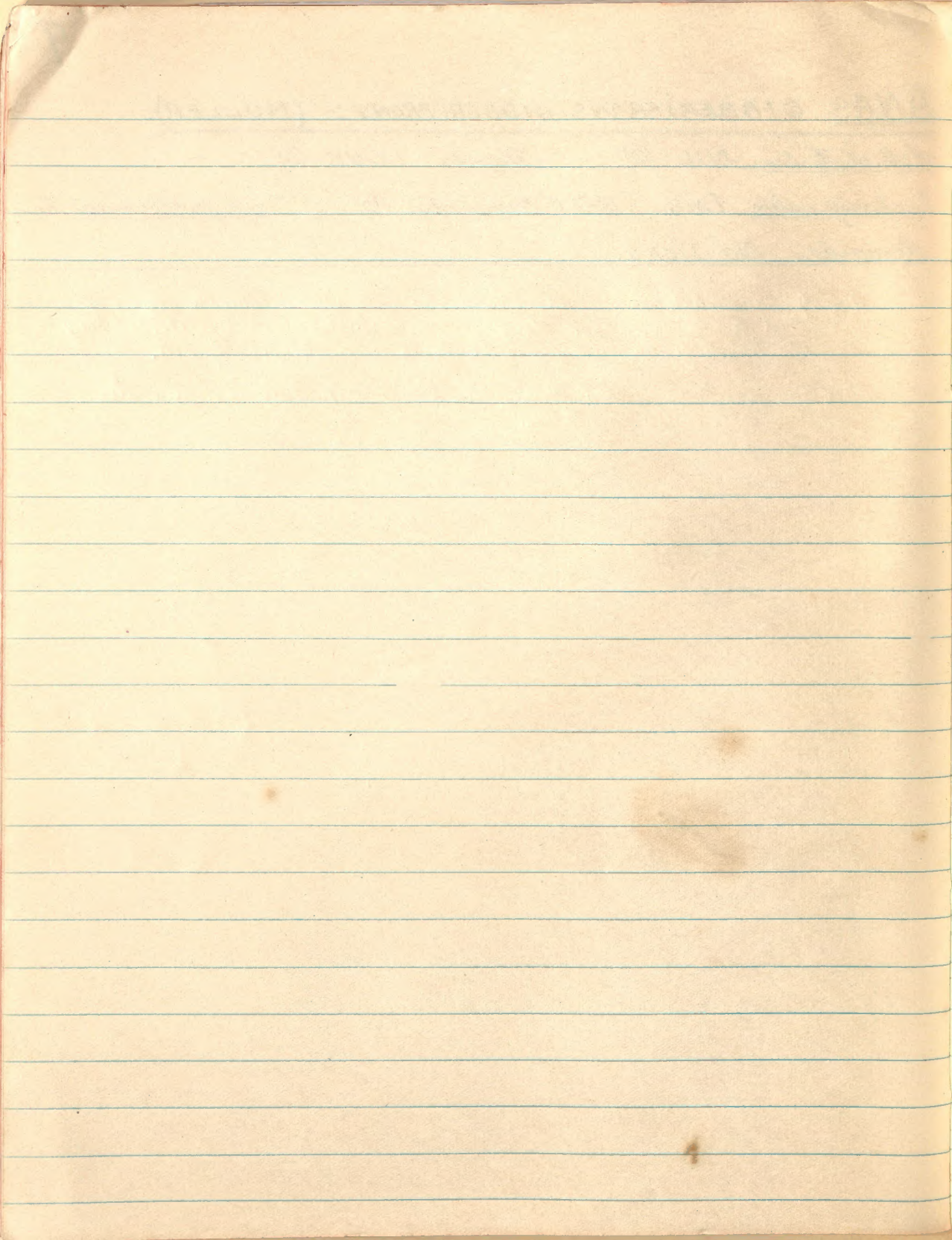


ANAS GIBBERIFRONS GIBBERIFRONS :- (MULLER).

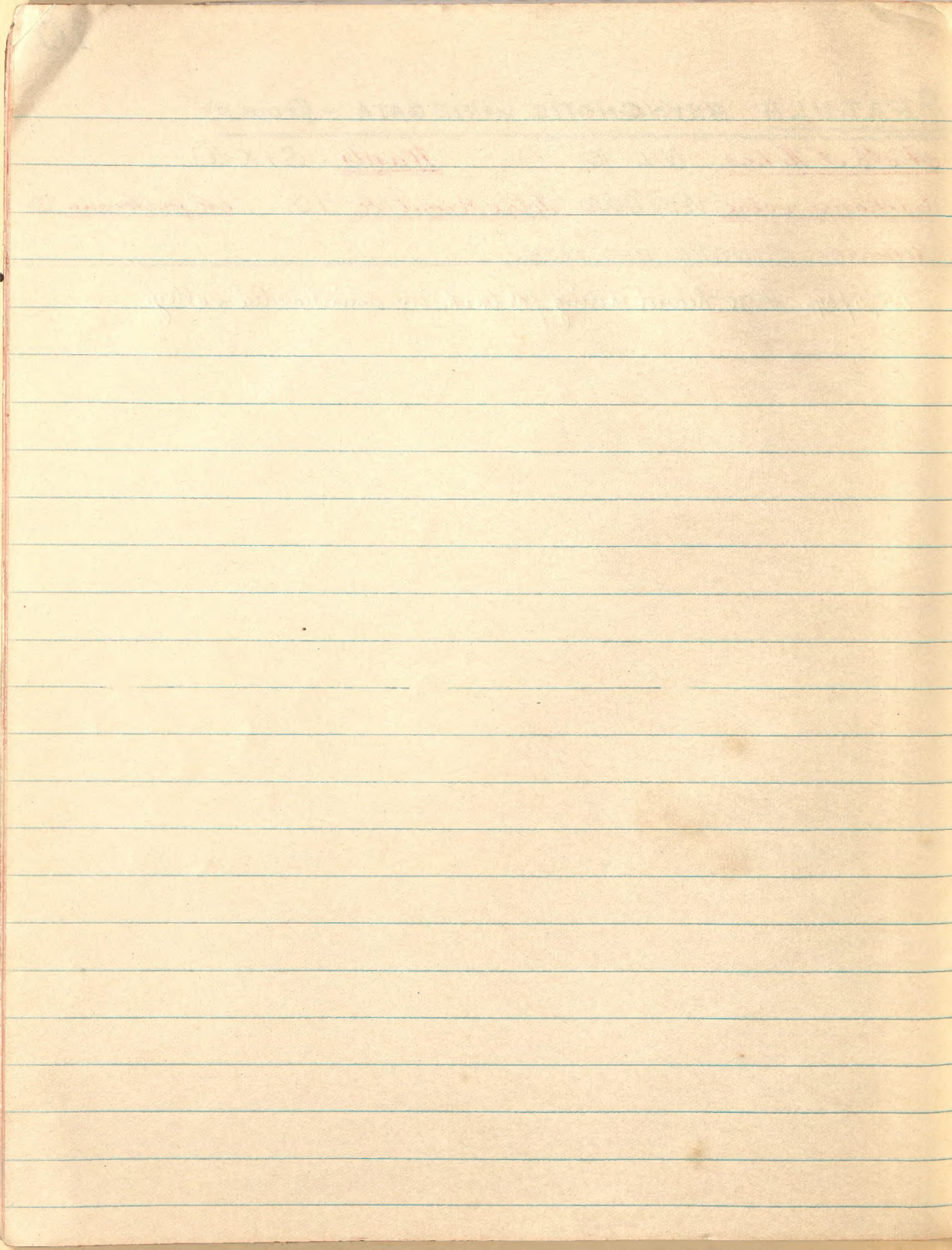
A. M. S. B. has NIL (0). Wants FOUR (4).

Exchange value FAIR. Total Permit no. 6. no. for volume 2.

Remarks. NO TICKS.



SPATULA RHYNCHOTIS VARIEGATA :- (GOULD)Ch. Mb. cl. B. has NIL. (0) Wants SIX (6)Exchange value VERY GOOD. Total Permit No. 10. No. for Chamaea 2Remarks. SINGLE RED TICK.15/5/39. ~~Have~~ heard calling far back in uninhabited valley.

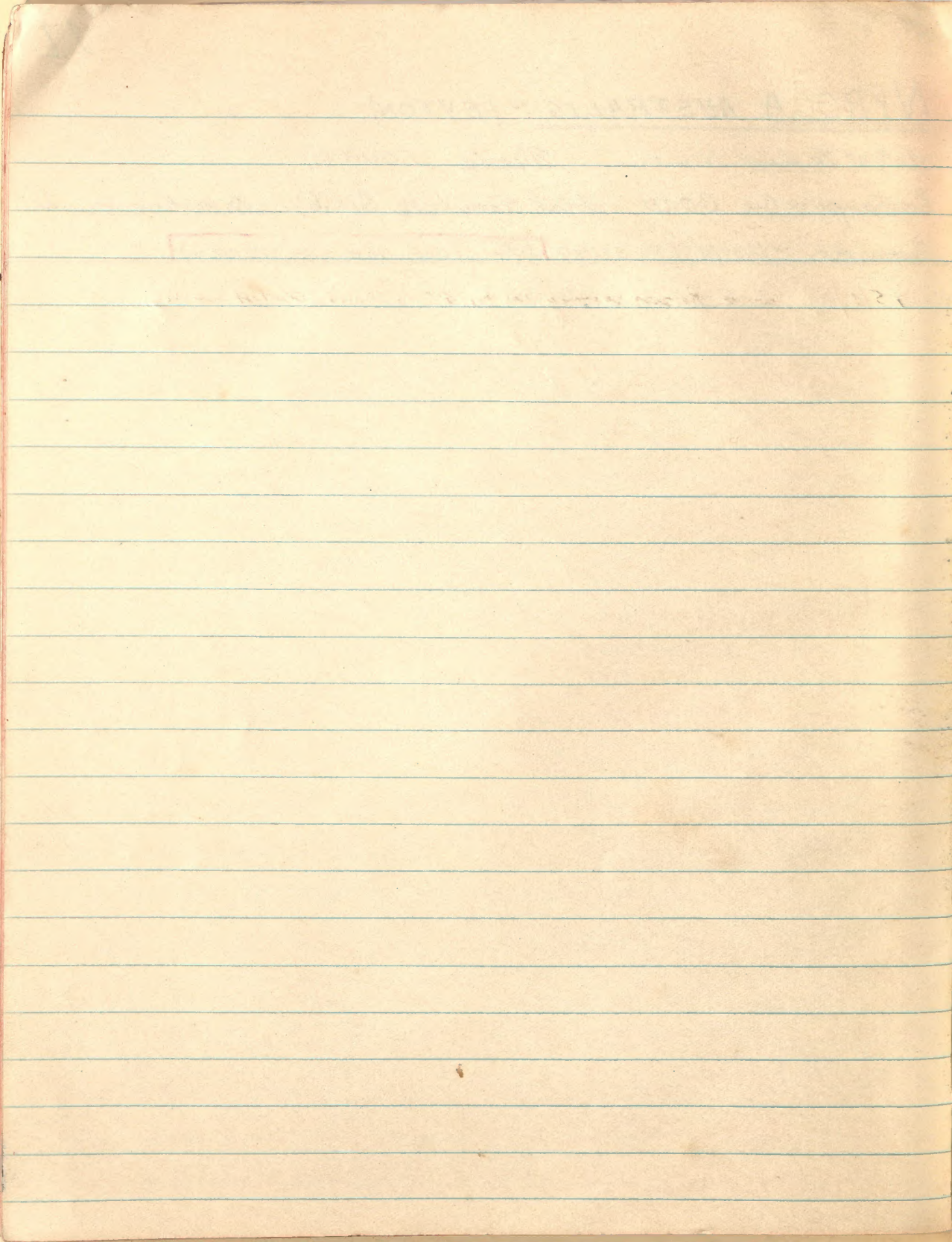


NYROCA AUSTRALIS :- (EYTON).

Act No. has NIL — Wants FOUR (4)

Exchange value GOOD. Total Permit No. SIX (6) no. for the same. 2

Remarks. - UNINTERESTING later. (POSS. NEW SUB. SPECIES).



HALIASTUR SPHENURUS JOHANNAE :- (BRASIL).Arthur R. has. ONE (1) Wants. TEN (10)Exchange value. GOOD (VALID) Total Permit No. 14 No. for exchange. 2Remarks. TWO RED TICKS & LINE.WAIVED 3/5/39. Two birds seen high on wing believed to be this species.5/5/39. One bird shot which was thought to be this species but may be Circus

17/6/39. Numbers up to 8 seen today where none seen before.

1871

1871

ACCIPITER HAPLOCHROUS :- (SLATER)

AM.N.H. has TWELVE. (12). Wants TWO. (2)

Exchange value VERY GOOD. Total Permits No. SIX (6) No. for exchange 2.

Remarks. This is enough. NO TICKS.

14/3/39. Saw a black & white hawk very small in true original forest, (shot but lost) which could not be placed definitely, but may have been female of this species.

SK. 32.A: As a small male Accipiter was shot which had no rufous color I place it in this species, though it may be A. f. vigilax.
This specimen was perched near the camp which has many domestic chickens about but did not appear interested therein.

17/3/39. Some small hawk, possibly this species seen in forest margins, bad wet weather.

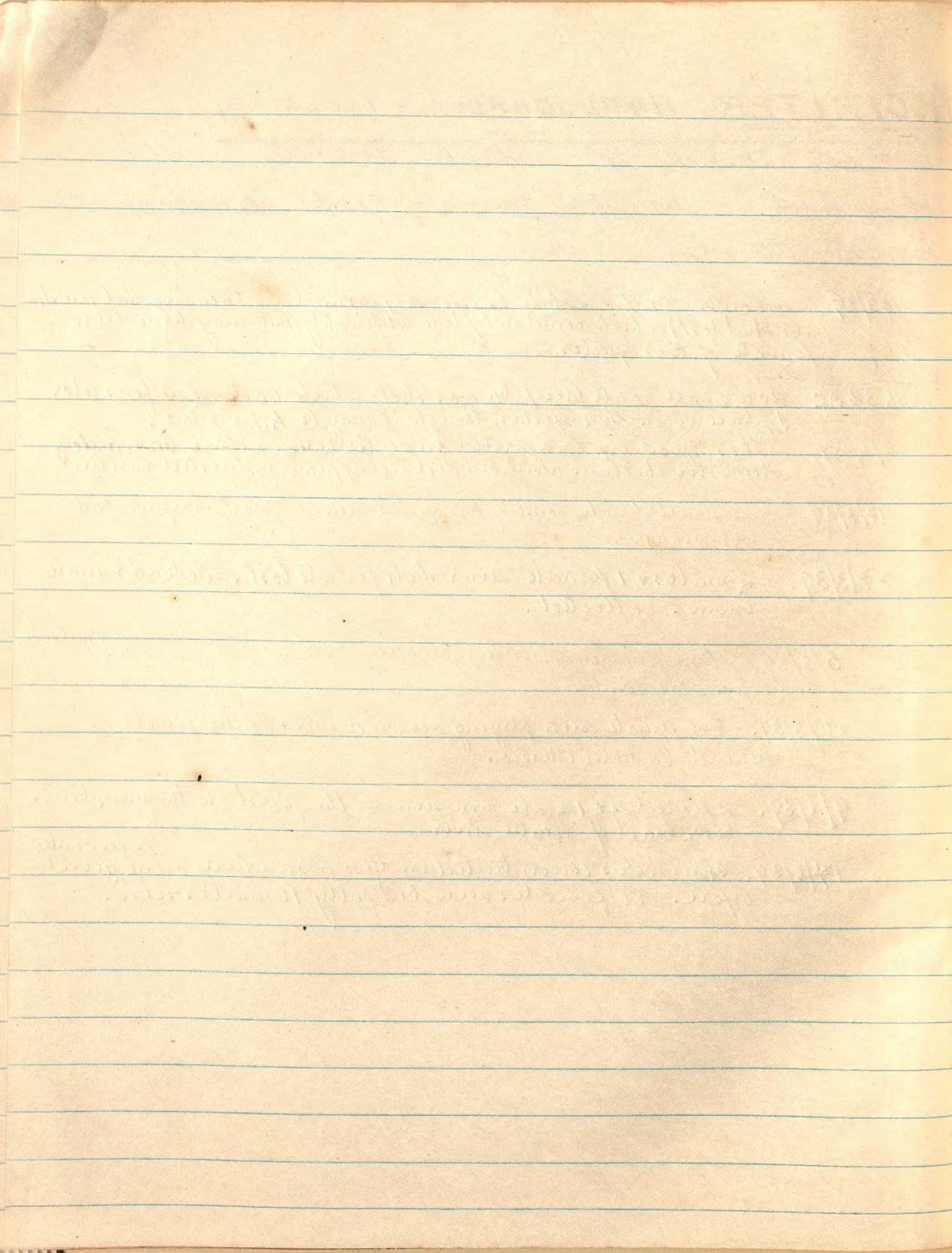
27/3/39. 2 males + 1 female seen & shot, female lost. Male ad + male imm. collected.

WAILU 5/5/39. One female adult seen on wing over open heathlands hillside, with pockets of scrub.

20/5/39. One female seen playing on wind over Douke forests behind Catholic Mission.

9/6/39. 2 females + 1 male were seen in the forest in the mountains near head of Warbur River.

17/6/39. Numbers concentrated in this area where ^{or few only} none seen before. No females seen but fully 10 males seen.



ACCIPITER FASCIATUS VIGILAX:- (WETMORE)AMNH. has NIL (0) Wants. TWELVE (12)Exchange value. GOOD. Total Permit No. 18. No. for Stomach. 3.Remarks. SINGLE RED TICK.

14/3/39. See. [5K.32A] other species Accipiter

27/3/39. ~~Prophocorys~~ One shot which may be this species or its relative. This specimen was seen feeding on the ground beside the tram line in true forest. It seemed strangely careless & less alert than usual for vigilax.

WAILU 3/5/39. One seen on wing over grassland river flats & scanty-wood boardwalk creeks

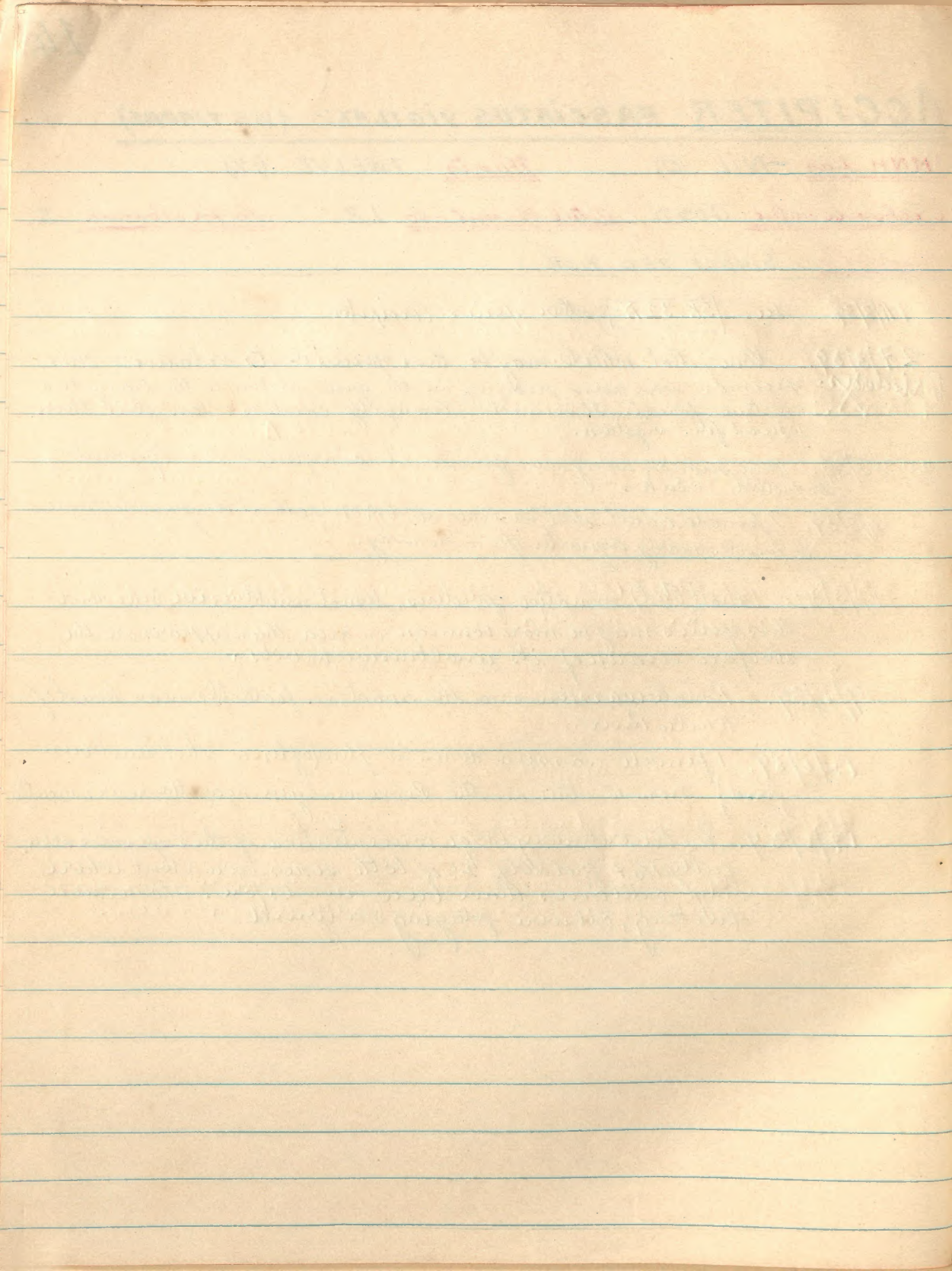
4/5/39. 1 female adult shot in tree at 6 AM. fell at too great distance to find, nearly a quarter of a mile away.

17/5/39. 1 shot (♂) in native gardens. Usual unobtrusive behaviour. This species may be more common in area than appears on the surface because of its unobtrusive habits.

9/6/39. 1 male was seen near the road in foothills near head of Wailu River.

12/6/39. 1 female was seen when it flew (after a shot had been fired) from a tree on the River margin near the river mouth.

17/6/39. Extraordinary large concentration of this species seen, fully 15+ probably 25 of both sexes were about where only odd ones have been seen before. Some seen hunting, all were playing on wood.



CIRCUS APPROXIMANS WOLFI :- (GURNEY).

A.M.N.H. has ONE (1) Wants TEN. (10)

Exchange value VERY GOOD. Total Permit. No. 15. No. for Stoumea 3.

Remarks. SINGLE RED TICK.

- WAILU 5/5/39 One shot over grassland flats bordering Wailu River.
- 17/6/39 Usually one or 2 are seen about at odd times, today over 20 were seen.
- 20/6/39 One seen hawking over heathland.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

LECTURE NOTES

1954

1955

PHYSICS 551

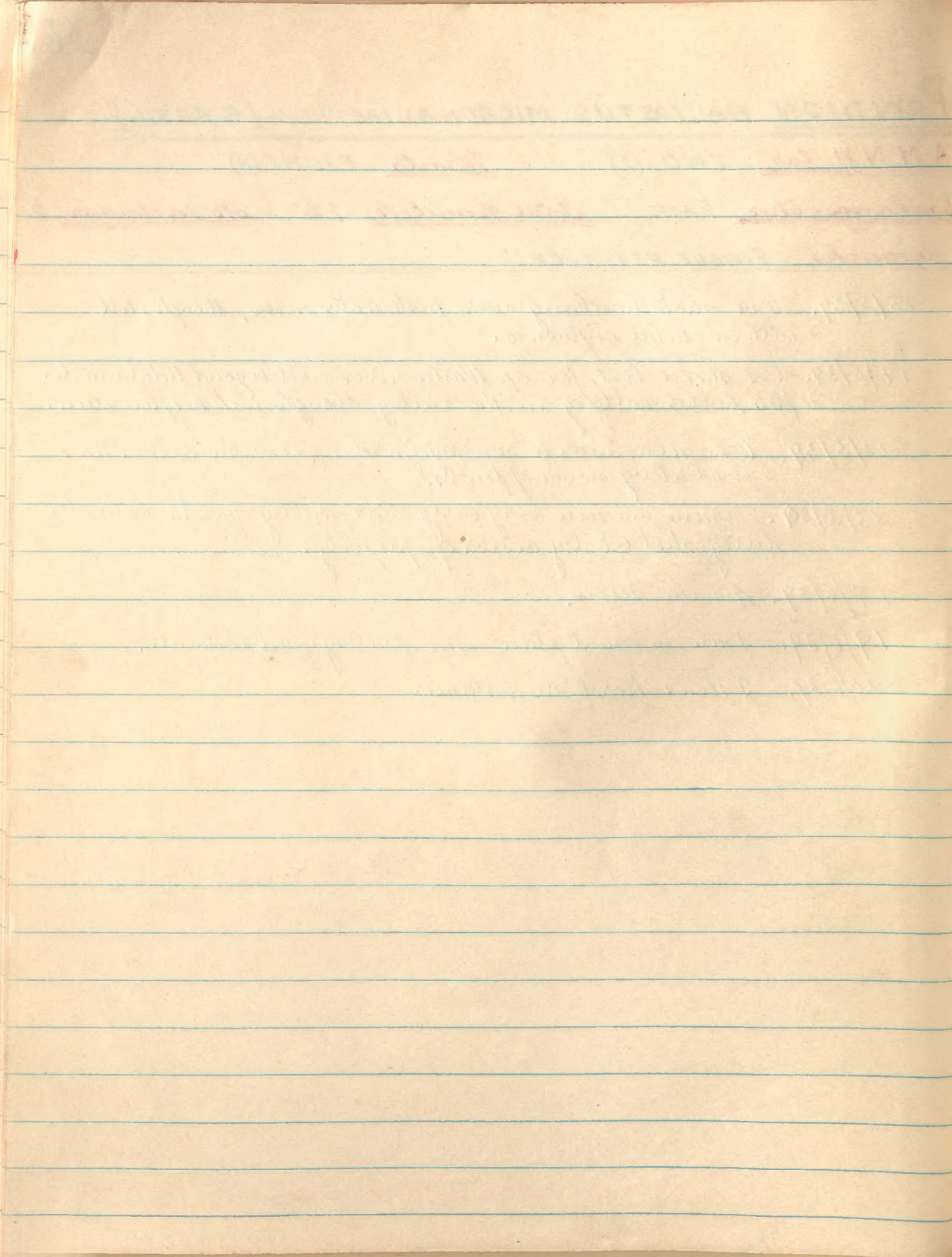
LECTURE NOTES

BY

ROBERT H. DICK

PANDION HALIAETUS MICROHALIAETUS :- (BRASIL)A.M.N.H. has. TWO (2) Wants EIGHT (8)Exchange value FAIR Total Permits 12. No. for Name 2Remarks. SINGLE RED TICK.

- 15/5/39. One shot hawking over fresh water river, though still within tidal influence.
- 17/5/39. One shot & lost, far up Waikū river well beyond tidal mark. Often heard calling in the valley though not so often seen.
- 12/5/39. One seen near a poultry yard across the river. Was fried at by owner of fowls.
- 13/5/39. Again one seen very early near poultry yard. Left after being shot at by owner of property.
- 17/6/39. 4 were seen.
- 19/6/39. 1 seen in usual place near poultry yard at dawn.
- 20/6/39. 2 seen & heard in distance.



FALCO PEREGRINUS ERNESTI :- (SHARPE)

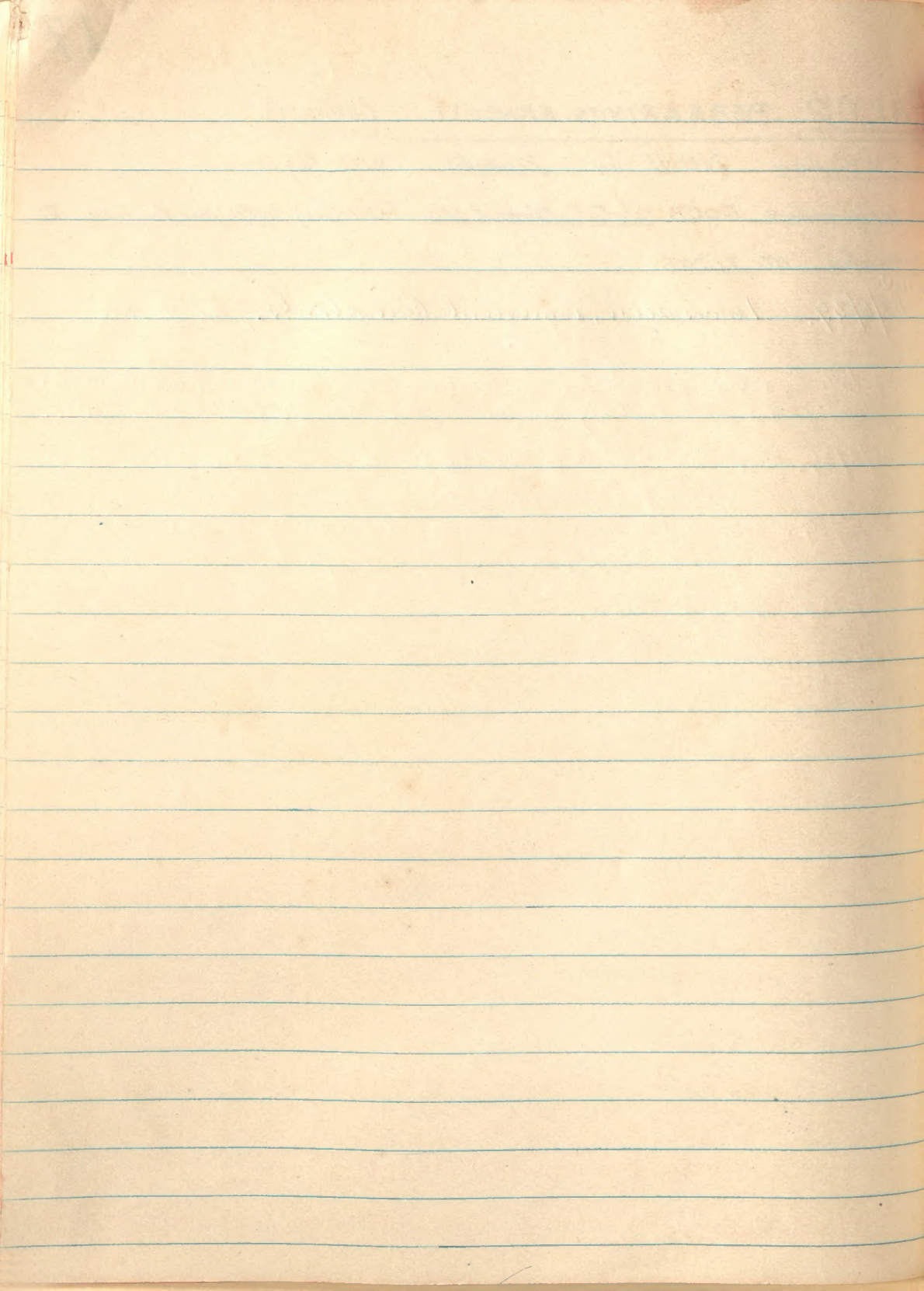
A.M.N.H. has NONE (0) Wants TWO (2)

Exchange value GOOD Total permit etc. FOUR (4) etc. for license 2.

Remarks. NO TICKS.

WAILU.

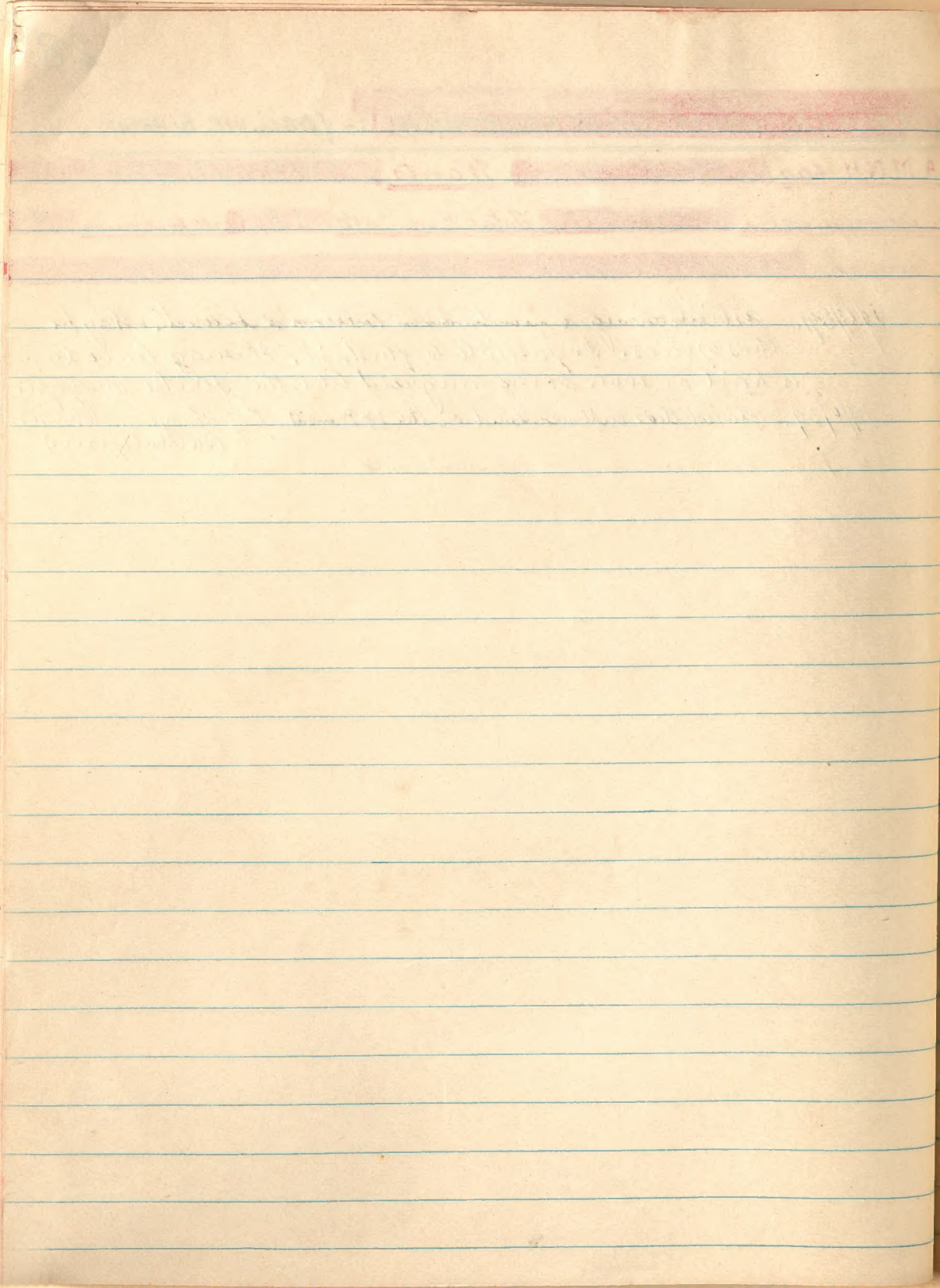
17/6/39. 1 was seen, unusual hereabouts.



TURNIX VARIA NOVAE CALEDONIE :- (OGILVIE & GRANT)A. M. N. H. has NONE (0) Wants TWELVE (12)Exchange value EXCELLENT Total Permit No. 18 No. for Noumea 3Remarks TWO RED TICKS & LINE ESPECIALLY IMPORTANT.

17/8/39 a bird giving an unknown call was heard. Maybe this species. Impossible to flush it. It may have been a rail or even some migrant like the Teruhe sandpiper.

19/6/39. Placed this call mentioned on the 17th as that of *Poryaya tabuanis* (in that species)



HYPOTAENIDIA PHILIPPENSIS SWINDELLSI :- (MATHEWS)A.M.N.H. has THREE (3) Wants EIGHT (8)Exchange value FAIR Total Permits 12 No. forebaums 2Remarks. NO TICKS

16/3/39. One heard calling near margin of clearing of timber cutters camp.

WAILU 3/5/39. Stumbers heard calling in long grass about rivers native gardens.

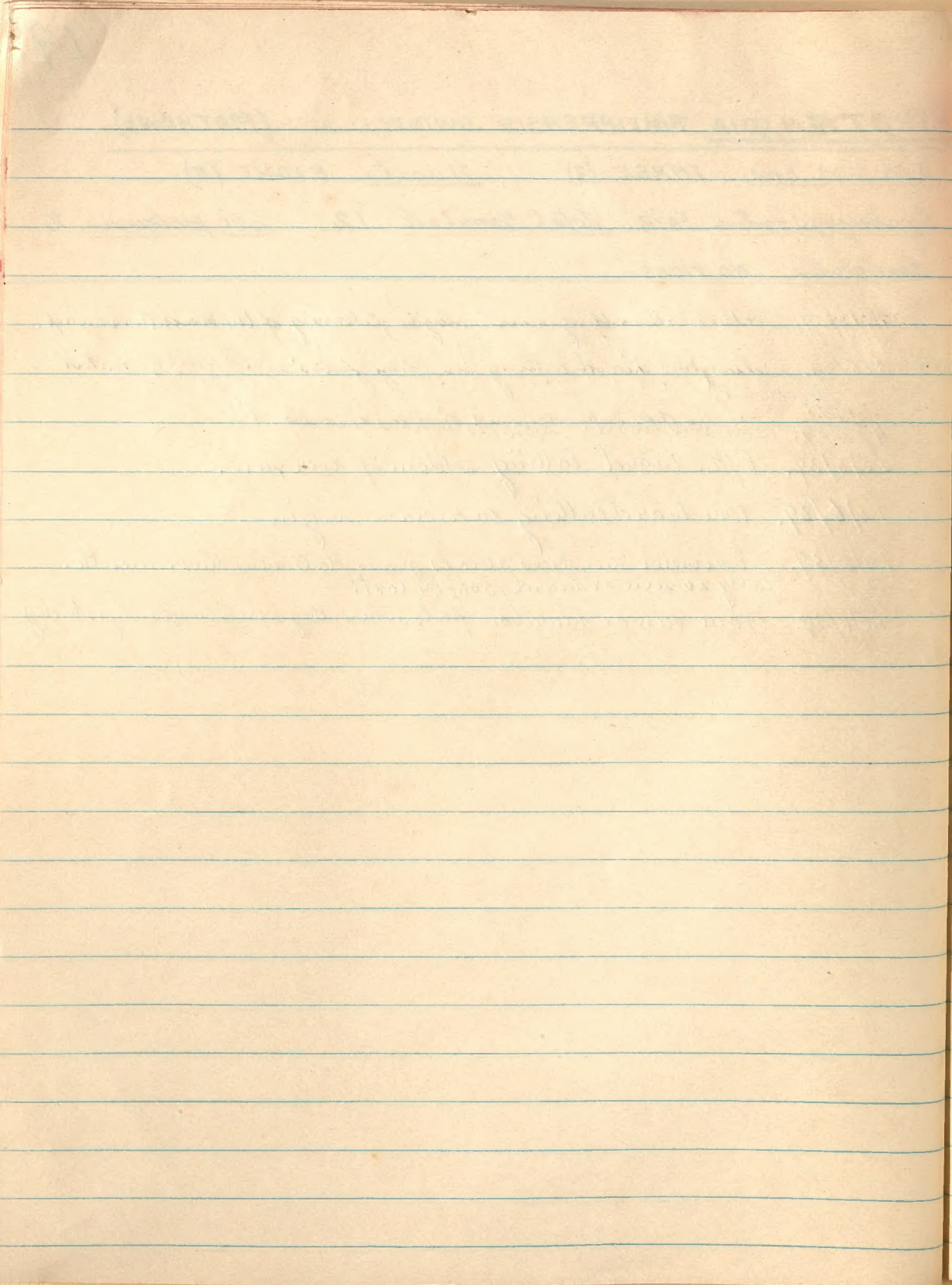
8/5/39. Stumbers heard. 5/5/39 Stumbers heard.

20/5/39. Often heard calling seldom if ever seen.

12/6/39 One heard calling on river margin.

19/6/39. Excessive numbers across grass flats near river mouth.
fully 20 seen or heard, 3 shot & lost.

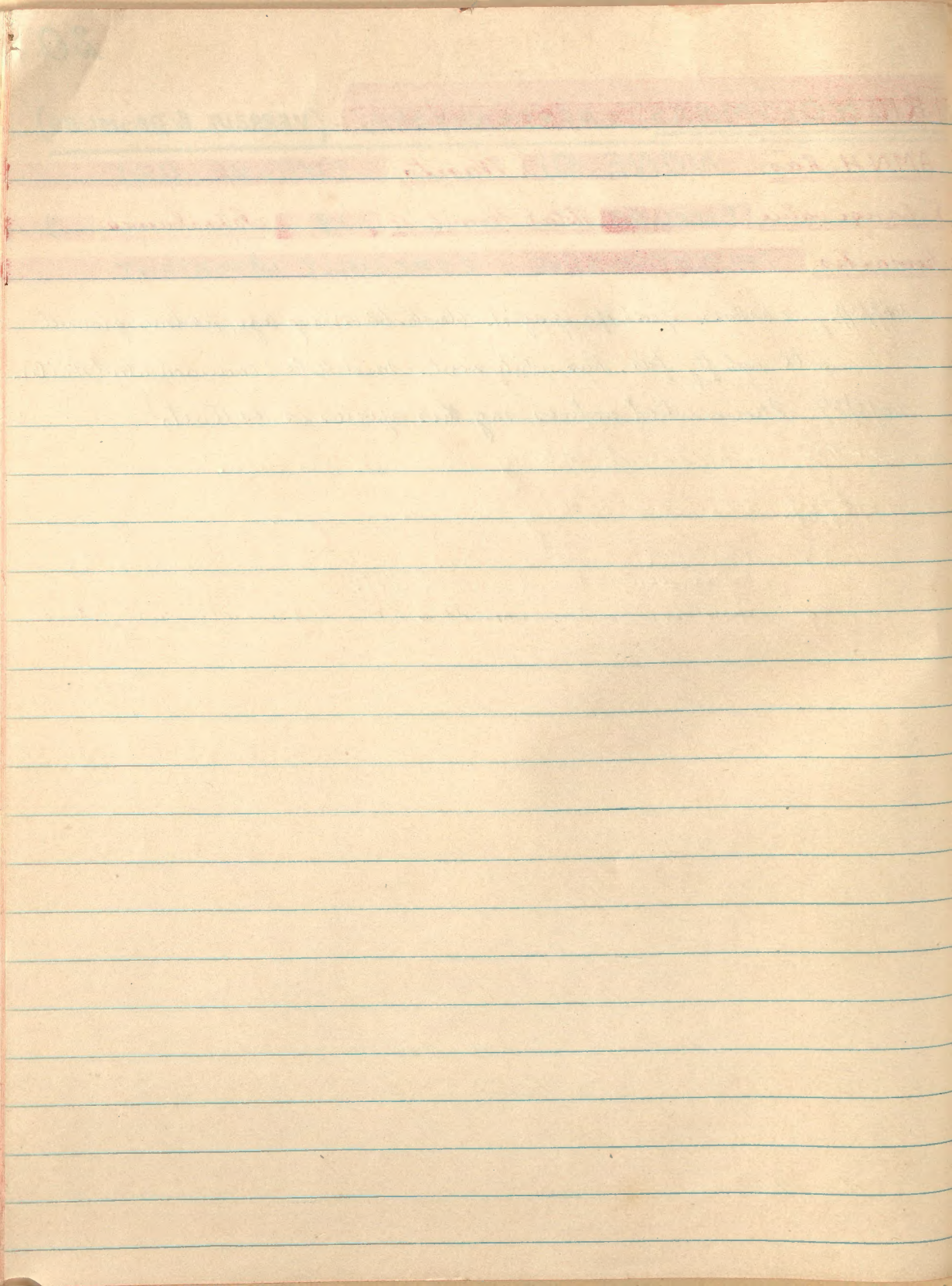
20/6/39. None seen or heard on flats when they were abundant yesterday.



TRICHO LIMNAS LAFRESNAYANUS - (VERREUX & DESMURS)AMNH. has NONE (0) Wants TWELVE (12)Exchange value EXCELLENT Total Permit no. 18 no. forbuena 3Remarks. TWO RED TICKS & LINE . ESPECIALLY IMPORTANT.

30/3/39. Natives speak of a greyish black bird, long legs, feeds on ground
will not fly far, has white scut. said to be common about Wailua.

20/5/39. From what natives say this species is extinct.

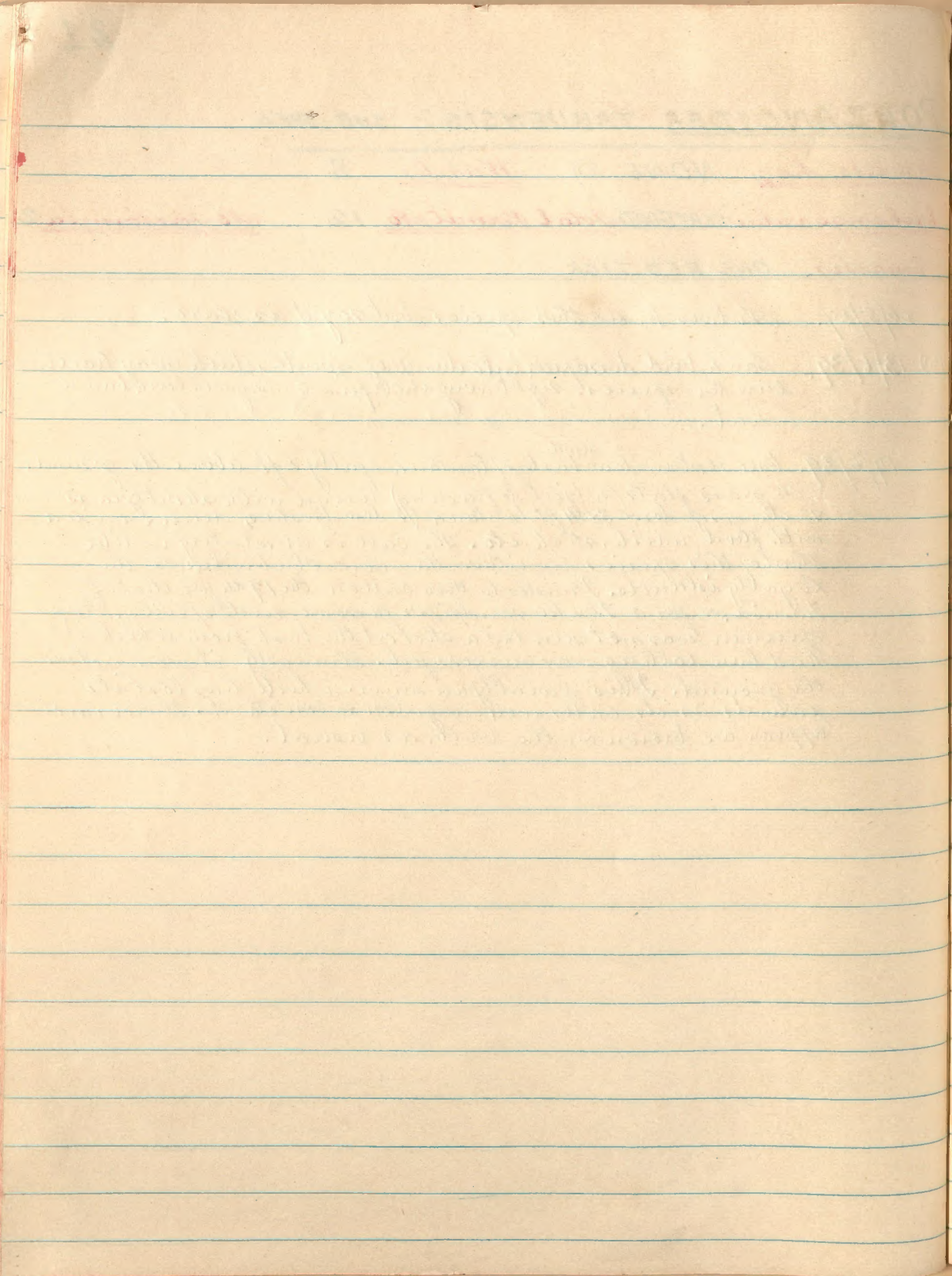


PORZANOIDEA TABUENSIS :- SUB-SPEC.A.M.N.H. has NONE (0) Wants 8Exchange value VERY GOOD Total Permit etc. 12 etc. for fauna 2Remarks. ONE RED TICK.

20/5/39. Natives know this species but say it is rare.

WAILU. 13/6/39. Saw a bird disappear into clump of scrub which may have been the species. Sight very short finale may well have been a rat.

19/6/39. One shot in low ^{dense} bush of lantana fully 2 ft above the ground. on grass flats (subject to flooding) covered with short grass + clumps of low 3-4 ft lantana + low bushes, dense & mixed with flood rubbish, stick etc. The call is absolutely unlike that of this species or either the other 2 subspecies or the Loyalty islands. I mistook this call on the 17th for that of Turnstone or for a Terckel sandpiper or some such species. This specimen was not seen but a shot at the bush from which it had been calling was successful. Strangely it was not on the ground. This probably an imm. which has lost its parents as its calls were regular + constant. It does not appear as brown on the back as usual.

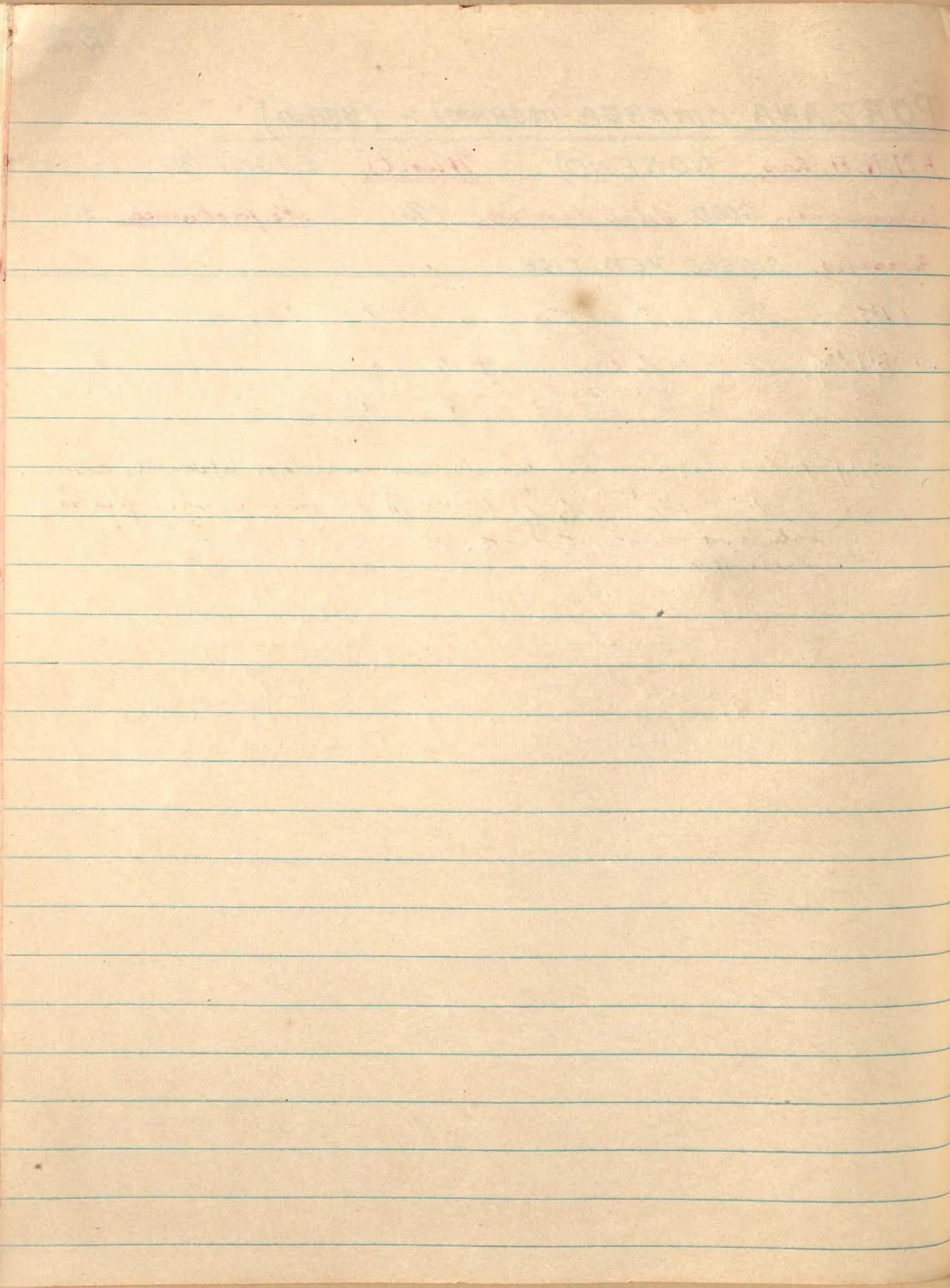


PORZANA CINEREA INGRAMI :- (BRASIL)

A.M.N.H. has NONE (0) Wants EIGHT (8)

Exchange value GOOD. Total Permit No. 12. No. for exchange. 2

Remarks SINGLE RED TICK.



PORPHYRIO ALBUS CALEDONICUS :- (SARASIN)AMNH. has. FOUR (4) Wants. TWELVE. (12)Exchange value. GOOD Total Permit No. 18 No. forbournea. 3Remarks. TWO RED TICKS & LINE.WAIW 3/5/39. Numbers heard calling along river at sundown.

17/5/39. heard calling in Taru gardens.

18/5/39. Effort to collect. 1 only seen. A few signs seen + one heard calling in Taru gardens.

19/5/39. One heard calling in coffee cultivation forced there by floods.

20/5/39. 2 or 3 heard in grey dawn, none seen, in coffee plantation. Natives say it is more common across the river where I was on the 18th.

20/6/39. 1 heard calling after gun shot.

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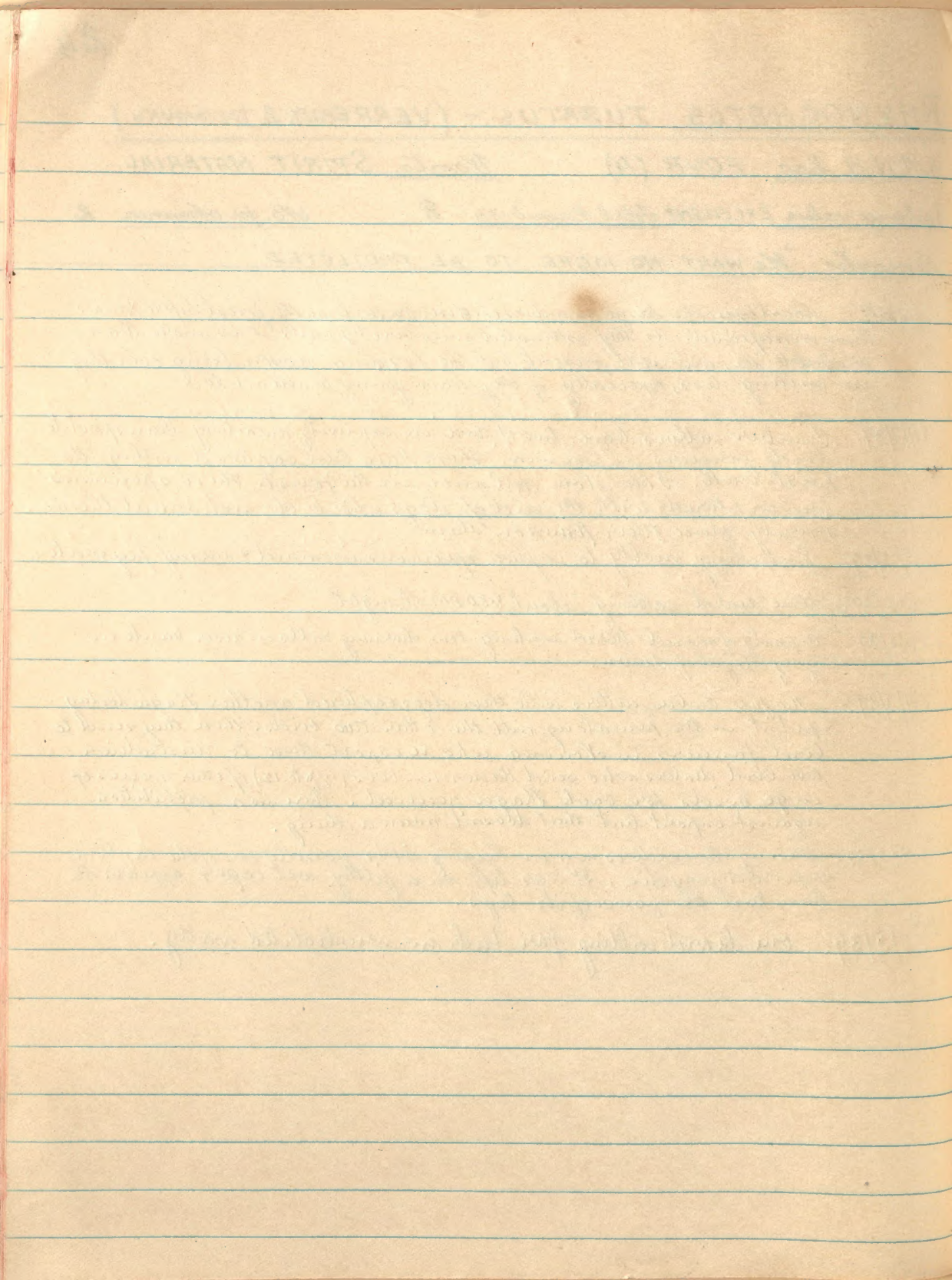
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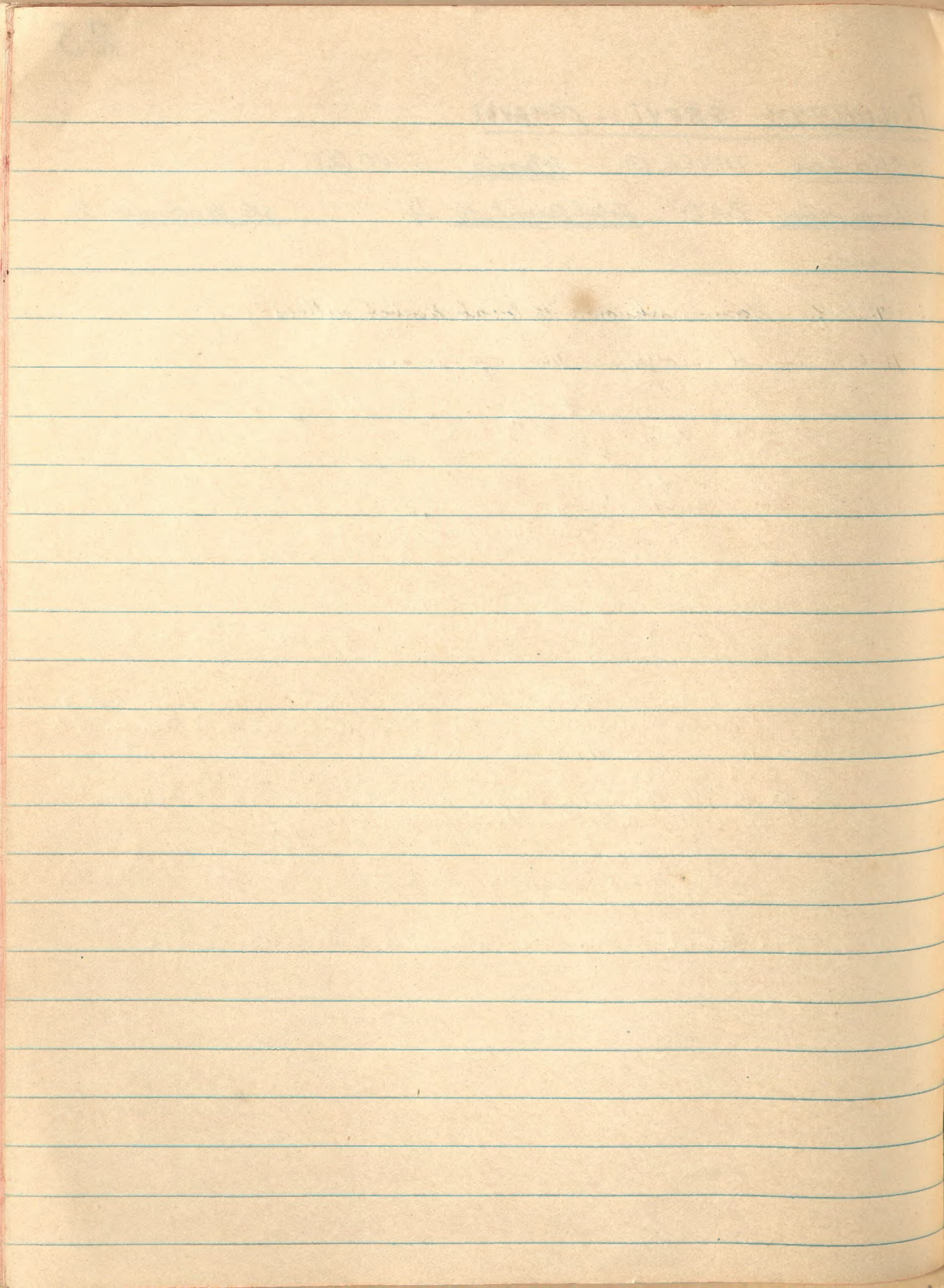
RHYNOCHETOS JUBATUS:- (VERREAUX & DESMURS.)A.M.N.H. has FOUR (4) Wants. SPIRIT MATERIAL.Exchange value EXCELLENT Total Permit No 8 No. for Cloumea. 2.Remarks "WE WANT NO MORE. TO BE PROTECTED"

- 6/3/39. Local say the large numbers of these present in the forest before Xmas have disappeared. As they estimated numbers by calls it is more than probable they are still present but the breeding season being over they are calling less, especially if they have young to attend to.
- 14/3/39. Timber cutters have two of these in captivity awaiting transport to bird fanciers in Cloumea. These have been captured within the past week. I heard one call once in the forest. These specimens are captured with the aid of dogs which do not maul them merely place their paw on them.
- 15/3/39. Excluding cruelty to captive specimens in mud + mess of pig crate.
- 16/3/39. One heard calling about 8.30 PM at night.
- 17/3/39. A party of several heard making low churning calls on river bank in grey light of dawn.
- 24/3/39. The Jap timber cutters with their dogs captured another Hagu today + put it in the pen along with the other two birds. These they send to bird fanciers in Cloumea who re-export these to Australian live bird dealers who send them numbers (up to 12) of other species of cage birds for each Hagu received. There is a prohibition against export but that doesn't mean a thing.
- 27/3/39. Owing to carelessness in keeping it is possible one of the captive specimens may die. It was left in a filthy wet cage + appears to have lost the power of its legs.
- WAILU
15/5/39. one heard calling far back in unhabited valley.



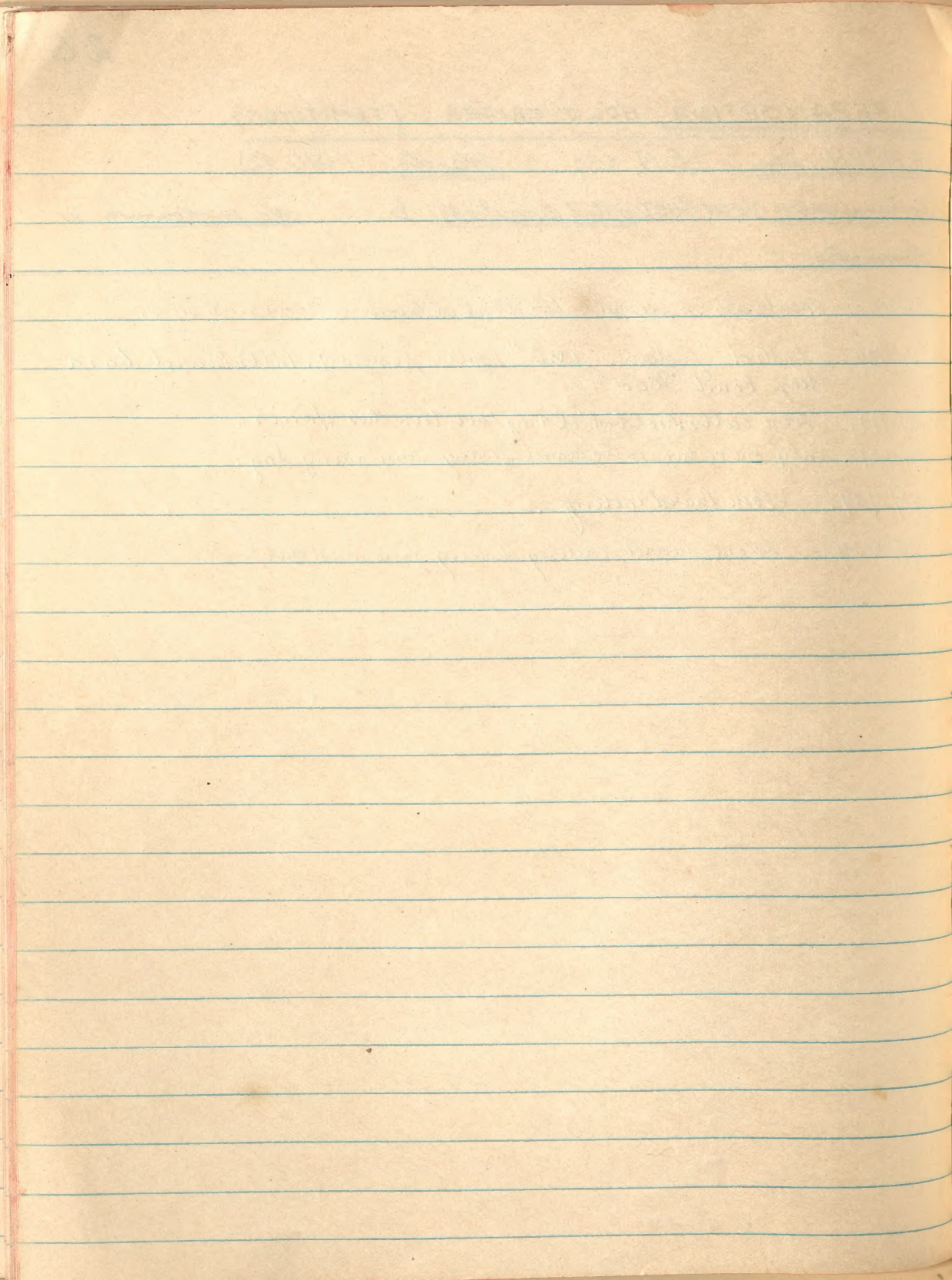
PTILINOPUS GREYI :- (GRAY)AMNH has THREE (3) Wants TWO (2)Exchange value BAD. Total Permit No. 4 No. for volume 2Remarks:

12/3/39 same unknown to local timber cutters.



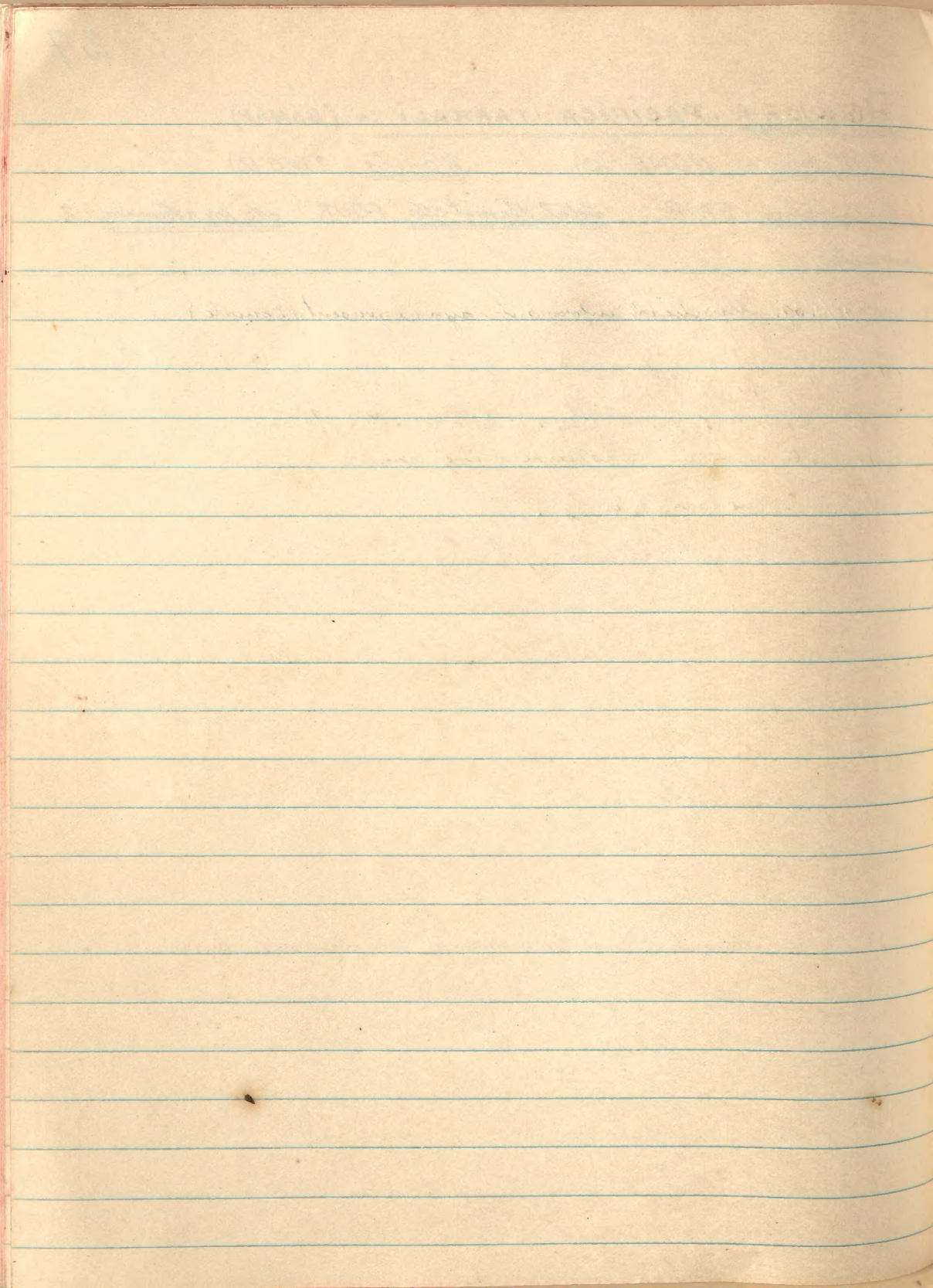
DREPANOPTILA HOLOSERICA :- (TEMMINCK).A.M.N.H. has. TEN (10) Wants. TWO. (2)Exchange value VERY GOOD. Total Permit c/o. 6 c/o. for Noumea. 2Remarks.

- 6/3/39. Locals say is present in tall Original forests but none were seen.
- 15/3/39. Called "pidgeon vent" (green pidgeon). calls heard was a deep lowd "coo".
- 16/3/39. Some calls heard which may have been this species.
- 17/3/39. only one or two calls heard during very rainy day.
- 28/3/39. None heard calling.
- 30/3/39. None heard calling during fine weather.



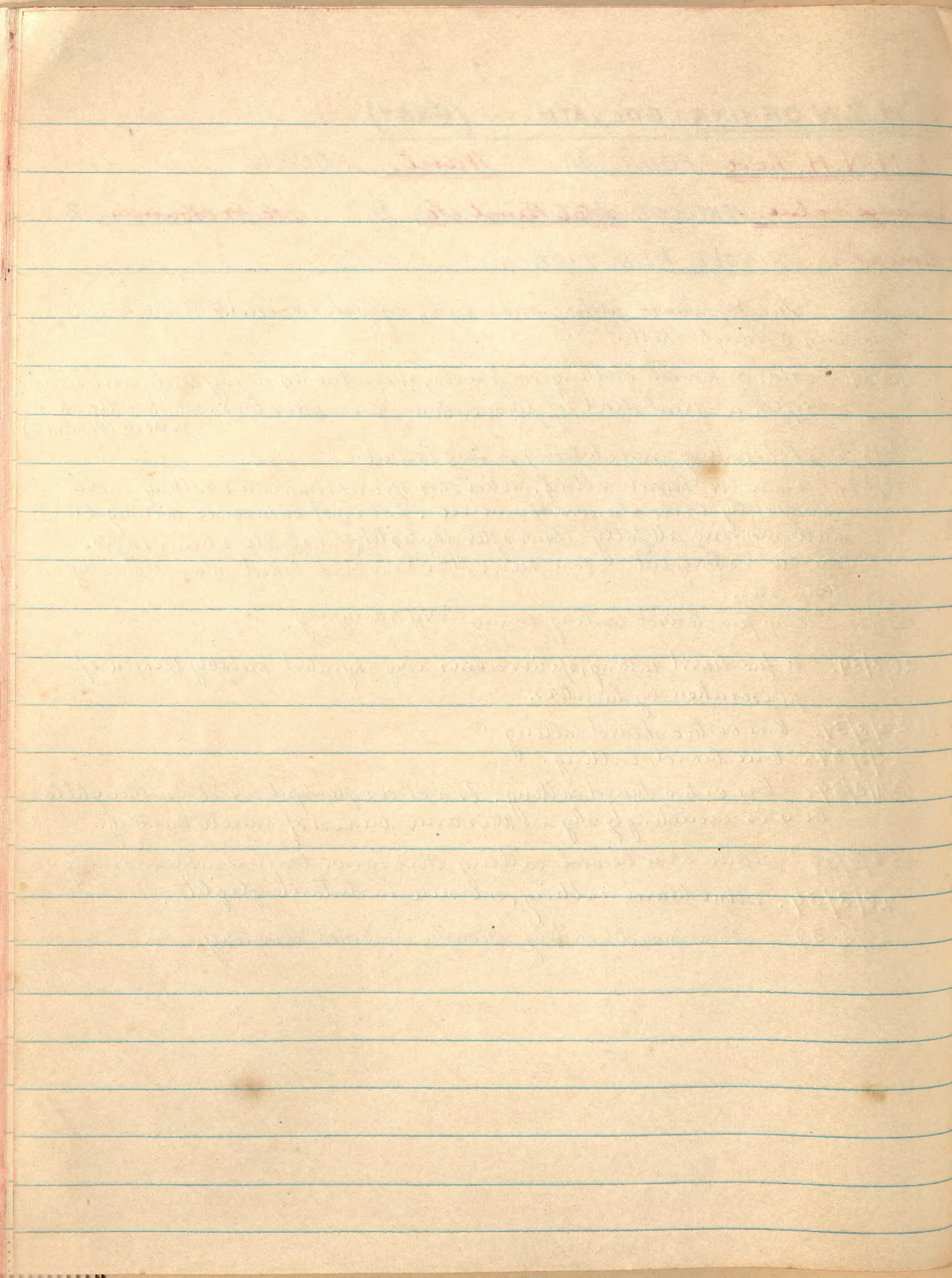
DUCULA PACIFICA TARRALI :- (BONAP).A.M.N.H. has. NONE (0) Wants TWO (2)Exchange value FAIR Total Permit No. FOUR No. for etymology. 2.Remarks.

30/3/39. Unreliable informant says is present. (Female)



PHENORHINA GOLIATH :- (GRAY).A.M.N.H. have FOUR (4) Want. FOUR (4).Exchange value. VERY GOOD. Total Permit. No. 6 No. for Moumea. 2Remarks. SINGLE RED TICK.

- 6/3/39. Numbers heard calling + one seen. Snap shot missed. Ball like a native blowing a conch shell.
- 14/3/39. Many heard calling in forests, even during heavy continuous rain. Suffer a great deal of persecution from shooters, white + black + yellow (Japanese).
- 15/3/39. Not calling much today a few heard.
- 16/3/39. A number heard calling. Notice this species commences calling more frequently when showers commence. Does not commence calling on dull morning till fully 1 hour after daylight, + not till 2 hours after one calls frequent. None seen. This is a bird heard more frequently than seen.
- 17/3/39. Very few heard calling during very rainy day.
- 20/3/39. A few heard calling, species seems very shy + alert probably because of persecution by hunters.
- 22/3/39. One or two heard calling.
- 23/3/39. One heard calling.
- 24/3/39. One or two heard calling. Is not as plentiful as it is thought to be + is exceedingly shy in this area because of much hunting.
- 27/3/39. None were heard calling this finer than usual morning.
- 28/3/39. None heard calling, one seen in distant flight.
- 29/3/39. None heard calling though in good territory.



COLUMBA VITIENSIS HYPOENOCROA:- (GOULD).A.M.N.H. have EIGHT (8) Want. FOUR (4)Exchange value. GOOD. Total Permit No. 6. No. for Houma. 2.Remarks.

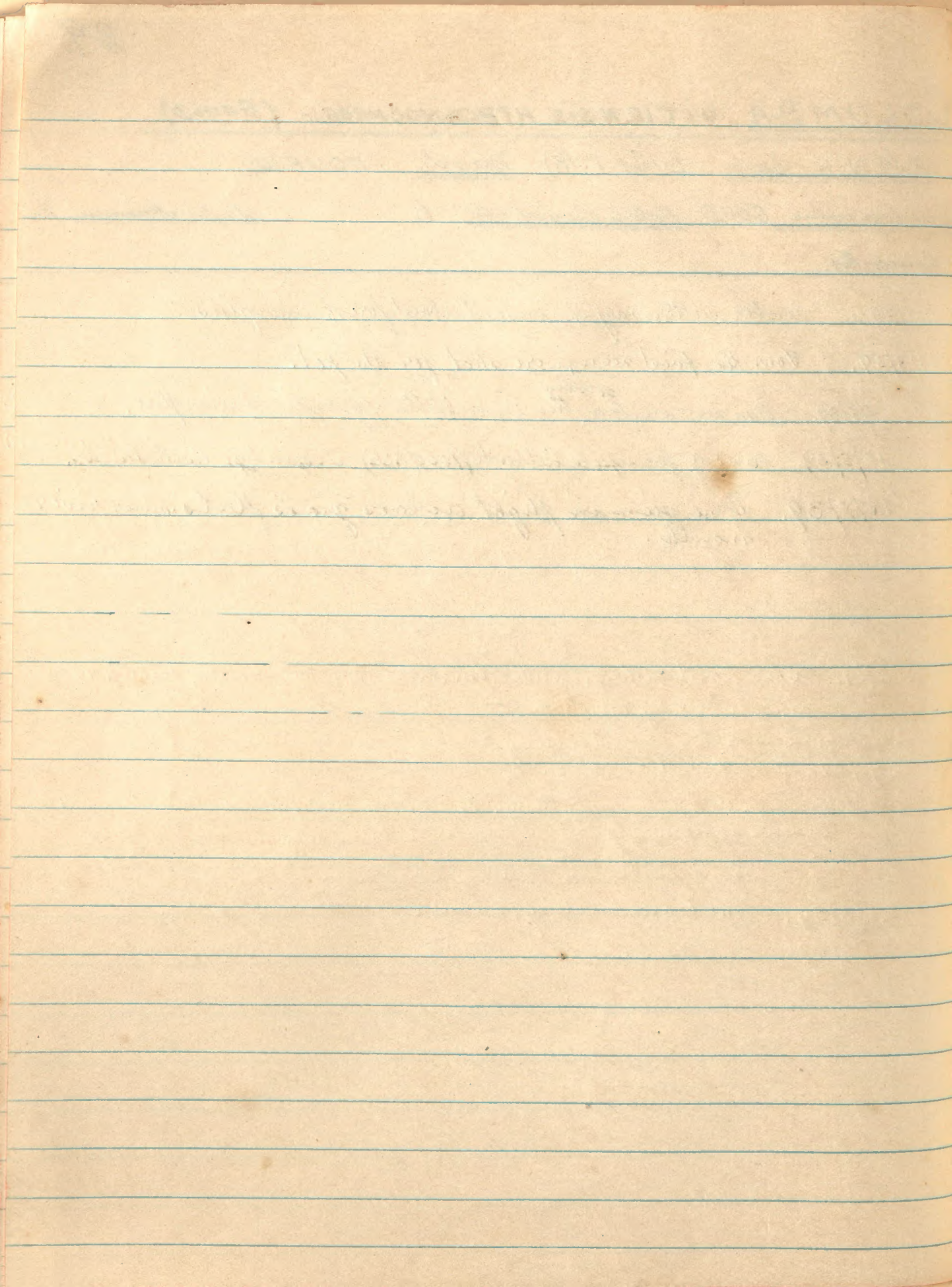
14/3/39.- Timber cutter say is present about forest margins.

23/3/39. Four the first seen, were shot for the pot.

WAILŪ 3/5/39. One seen in ^{solitary} low ~~the~~ in middle of grassland river flat.

15/5/39. Saw one for upon hillside (1000' asl) in open type heath lands.

16/5/39. One seen in flight across grass flats near river mouth.



CHALCOPHAPS INDICA DISJUNCTA:- (BRASIL).A.M.N.H. has SEVEN (7) Wants —Exchange value. FAIR Total Permit No. 2 No. forbournea 2.Remarks.

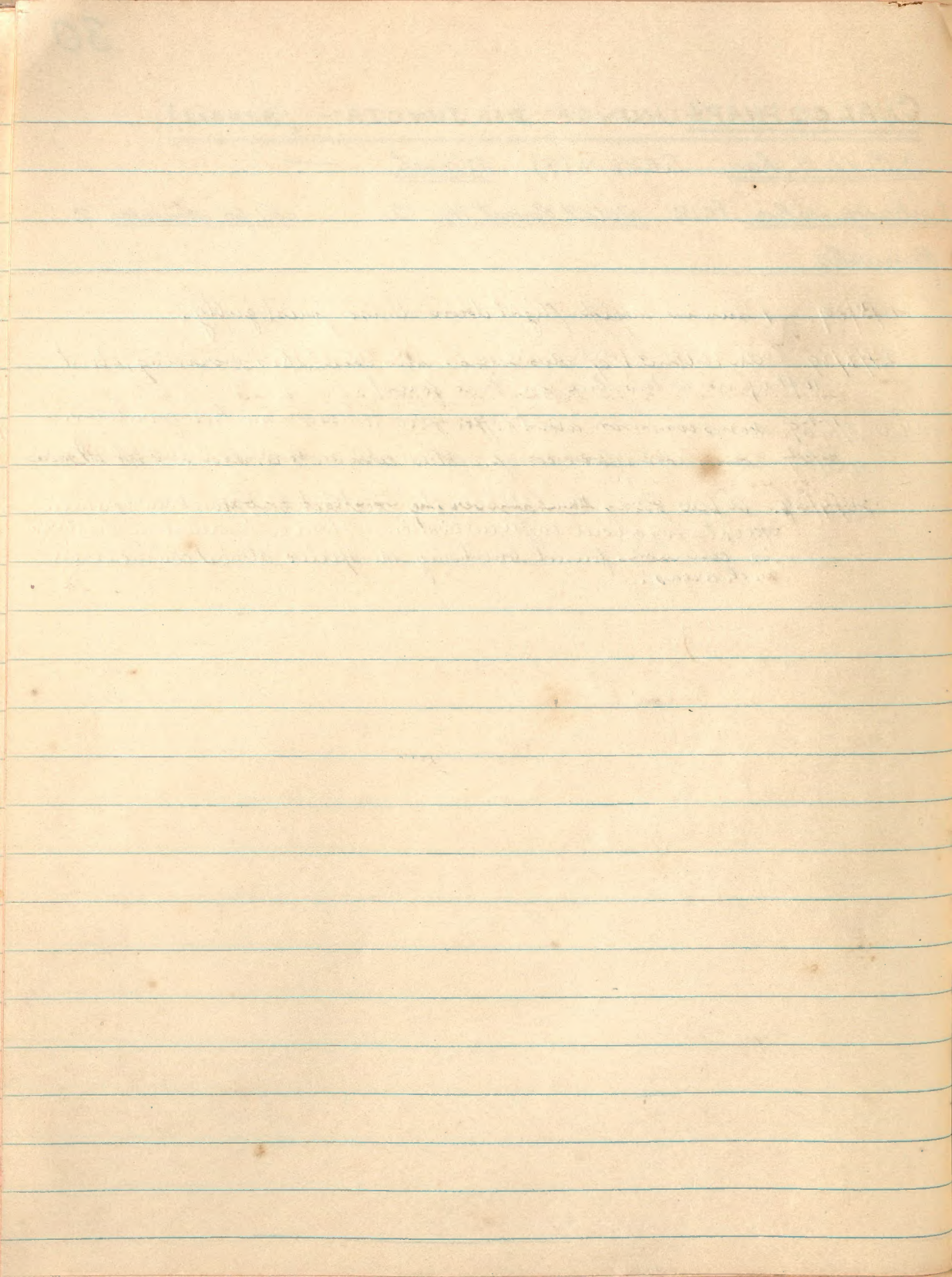
16/3/39. 1 seen in rapid flight down dense forest gully.

27/3/39. An old nest of this species was seen this morning, about 10 ft up in a low tree in true forest.

WAILU 3/5/39. seems common about coffee plantations + native gardens.

4/5/39. common about camp. Not as common as elsewhere but not rare.

20/5/39. A few here + there all over the district but nowhere common except in + about coffee cultivations where a increase in numbers is common. found, making the species almost common in such areas.



CYANORHAMPHUS NOVAE ZELANDIAE SASSETI. - (VERREAUX & DESMURS.)

A.M.N.H has EIGHT. (8) Wants SIX (6)

Exchange value, EXCELLENT, Total Permit No. 10 No. for Chouma, 2.

Remarks SINGLE RED TICK.

- 14/3/39. 4 smallish parrots, were seen which may have been this species.
- 16/3/39. A large flock of a dozen parrots were seen, which appeared intermediate in size between Nymphicus + Trichoglossus which may have been this species. If they were they were in company with some Nymphicus as the calls of that species were heard with them.
- 17/3/39. only once two calls heard during very rainy day.
- 20/3/39. Timber cutters speak of a largish long tailed parrot with a crest, which may be this species of Nymphicus. Am as yet uncertain from descriptions in Japanese. French.
- 22/3/39. A small parrot between Nymphicus + Trichoglossus in size was seen on the wing.
- 24/3/39. Twice a pair of parrots between cf. + I. in size, faster wing beats + better flyer than cf. were seen on wing. No description obtained. calls were different to cf. + I.
- 30/3/39. A specimen collected on 28/3/39 though at first to be Charmosyna is definitely this species.

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NYPHICUS CORNUTUS CORNUTUS: - (GMELIN).A. M. N. H. has. TWO (2) ^{CAGE-}BIRDS. Wants SIX (6).

Exchange value. EXCELLENT. Total Permit No. 12 No for Nounua 2.

Remarks. TWO RED TICKS & LINE : ESPECIALLY IMPORTANT.

- 6/3/39 Two seen. Flew out from midday camp tree at sound of a shot. One shot but no outright kill, & lost in forest groundscrubs. Calls are similar to *Alcea* but ~~less~~ human sound, less guttural. Both appeared to be imm. though that is uncertain alarm call "KO KOT".
- 15/3/39. 2 of these seen at different places & times. 1 shot in bad moult. The specimen shot was alarmed at a small calibre shot, but did not fly far. It was alone & in the same locality as the pair seen on the 6/3/39. It perched high in a tall tree, a tree with good nesting hollows in it. On my giving mimic calls the bird surprised me very much by immediately answering, becoming excited & coming lower. It may have been the mate of the bird shot previously & lost. The other was seen, half an hour later & some distance away but was alone. It would not answer calls & did not settle long but quickly crossed the Blue River.
- 16/3/39. Fully 10 specimens were seen & heard during the day. A flock of a dozen or more certainly contained this species. One of these was shot & lost in the dense forest undergrowth. It should be possible to get a large series. The species is shy & wary but not so much so as the *Alcea* race. It is also a much more noisy race than the *Alcea* & not so afraid of humans. Its presence is not generally known to Nounua bird fanciers fortunately.
- 17/3/39. No definite records of this species on this wet rainy day.
- 22/3/39. Gap timber cutters report a number heard near where they were working.
- 24/3/39. A number were seen in flight at different places. One bird was entirely tailless. Appears to be a bird of fine weather. Should manage to get a series. It is exceedingly shy & keened-eyed.
- 27/3/39. Several parties heard. All seem exceedingly active on this fine morning. There is little doubt this is a fine weather species.
- 28/3/39. A pair seen very early swooning themselves high in a bawie, much lowering & scrapping, advancing & bowling, rewatering & bowing, all accompanied with much murmuring chudlet. One shot & lost. Nest hollow found near by typical main trunk hollow, bark marked visible, all good.

30/3/39. Small *Nymphalis* collected on 24th is definitely a female of this species. Just past immaturity probably.

A family party of 4. seen. 3 shot + other wounded. adult in shocking moult. 2 imm. ♂ I believe by size.

These birds were under observation for some time. Feed on seeds + berries of the second growth of forest. On alarm go high up in trees or to travel about in tree tops. Not as clumsy flier as *Uroa* bird. Noticeable they were present but not calling while sun was obscured, but immediately it appeared they called much + became noisy + active, sun disappeared they shut up again.

Believe male adult did not return, female ad. returned to each 2 imm. which were shot.

WAILO 16/5/39. Natives are positive about its appearance in this area when oranges are ripe but none have been seen or heard even though oranges are already ripe.

TRICHOGLOSSUS ORNATUS DEPLANCHIE :- (VERREAUX & DESMURAS)A.M.N.H. has. NINE (9) Wants. SIX (6)Exchange value. GOOD. Total Permit No. 10 No. forebears. 2.Remarks. NO TICKS. (?)

6/3/39. One seen in captivity at timber cutters camp.

17/3/39. a small party of 4 seen in brief interval between showers. 1 shot + lost in forest.

22/3/39. One shot + lost in ground scrub. Generally seen in small parties. Feeding much at present of forest tree flowers.

24/3/39. A single bird heard calling.

27/3/39. One party seen, + 1 single bird in flight. They appear to have gone further afield to feed on this fine morning.

28/3/39. several parties heard in flight. seems less common here than chrysocephalus.

30/3/39. several heard in flight. Not very active.

WAILU 3/5/39. 3 seen flying high. 4/3/39. 3 seen flying high + calling.

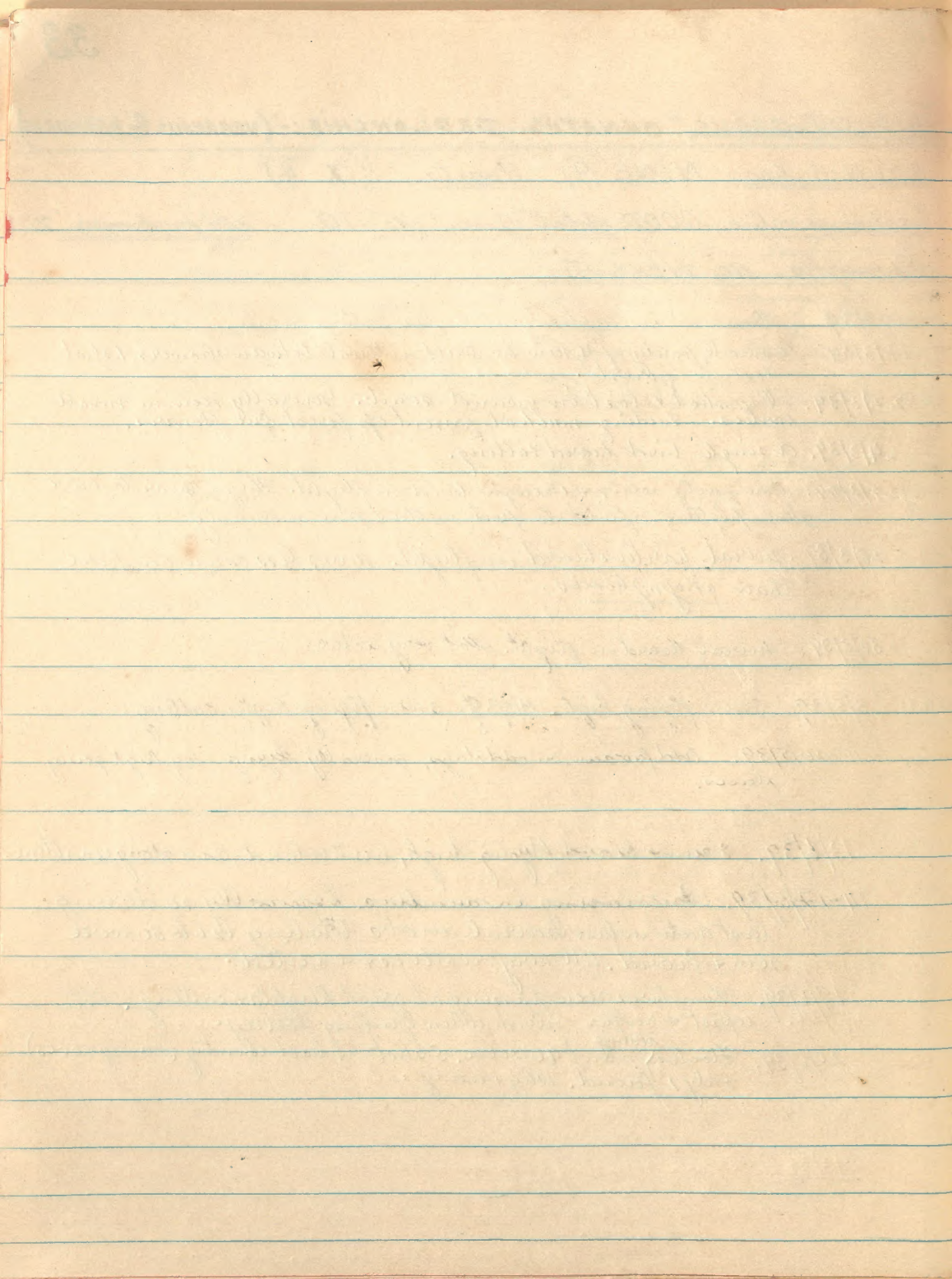
10-20/5/39. Odd few seen on odd days, generally flying very high going places.

13/6/39. 2 seen + heard flying high, went inland, came along coast then.

14-17/6/39. Increasing in numbers. Especially so during last date when several mobs totaling 20 to 30 were seen + heard. All very restless + excited.

19/6/39. Numbers seen passing at great heights + calling. Not upset + rather silent when feeding today.

20/6/39. Flocks ^{totaling} about 40 seen. 5 shot in bad country (mangroves) only 1 found. shy + wary.



CHARMOSYNA DIADEMATA :- (VERREAUX & DESMURRS).

A.M.N.H. has. NONE (0) Wants. TEN (PLUS) (10+).

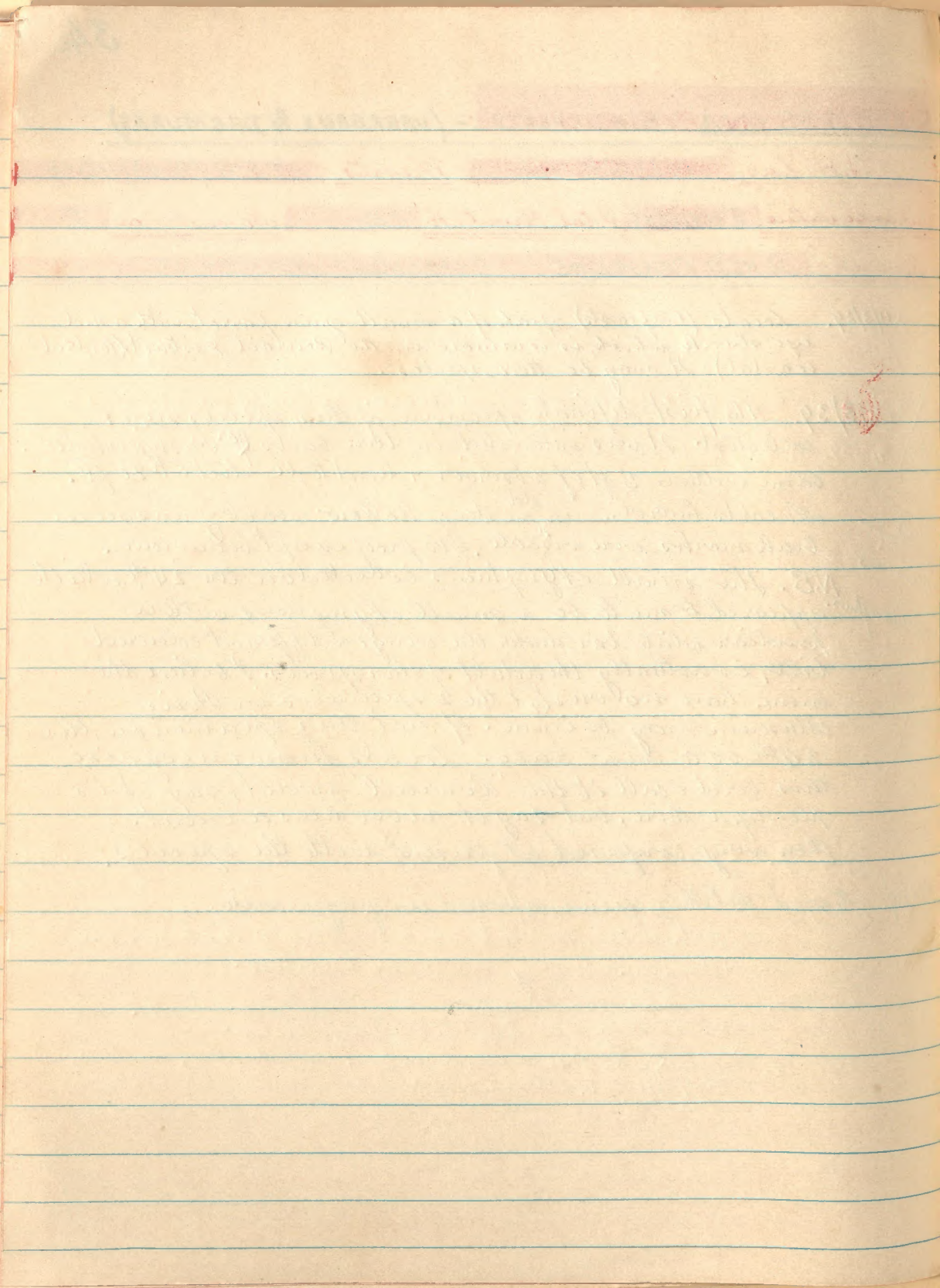
Exchange value EXCELLENT. Total Permit ctb. 14 ctb. for Burma. 2Remarks. 2 RED TICKS & LINE : ESPECIALLY IMPORTANT.

24/3/39. Locals (half-caste) speak of a small green parrot with a red eye streak which is common in the Bourail District (Central coastal). It may be this species.

28/3/39. The first definite specimen of this species seen & collected. It was interested in three calls of *Pachycephala*. Came within 5 ft of observer & had to be shot at 26 ft. No calls heard... An ^{old} nesting hollow near by was seen. Beak marks were visible. No proof except behaviour.

N.B. - This is *Cyanorhamphus*. N.B. The small *stymphicis* collected on the 24th which appeared to me to be a small *stymphicis* with a peculiar white bar under the wing & a different coloured bill, is actually the adult of this species. I believe the imm. have no crest, & the 2 specimens in Paris Museum may be imm. If not this specimen on the 24th is a new race. Locals know & recognise this bird & call it the "Bourail" parrot, say it is plentiful there, but say it never has a crest. Am very confused at present with the species.

5/5/39. Heard that this species is present in younger area.



CACOMANTIS PYRRHOPHANUS PYRRHOPHANUS:-(VIEILLOT)A.M.N.H. has TWO (2) Wants SIX (6).Exchange value GOOD. Total Permit No. 8 No. for Cbumba 2.Remarks. SINGLE RED TICK.

27/3/39. It is strange not a single species of cuckoo has been heard in these forests to date.

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CHALCITIES LUCIDUS LAYARDI :- (MATHEWS).A. M. N. H. has SIX (6) Wants. FOUR. (4)Exchange value. GOOD. Total Permit c/o. 6 c/o. for c/o. m. c. 2.Remarks. SINGLE RED TICK. WATCH FOR N. Z BIRDS {MARCH-APRIL} {SEPT-OCT.}14/3/39 ^{14/3/39. appearance drooped} One heard calling balls more robust than usual.27/3/39. Considering the abundance of *Gerygone* in these forests it seems strange not one single *Chalcities* has been heard calling in the forests.WAILU 4/5/39. 1 heard calling.

14/5/39. 1 heard calling.

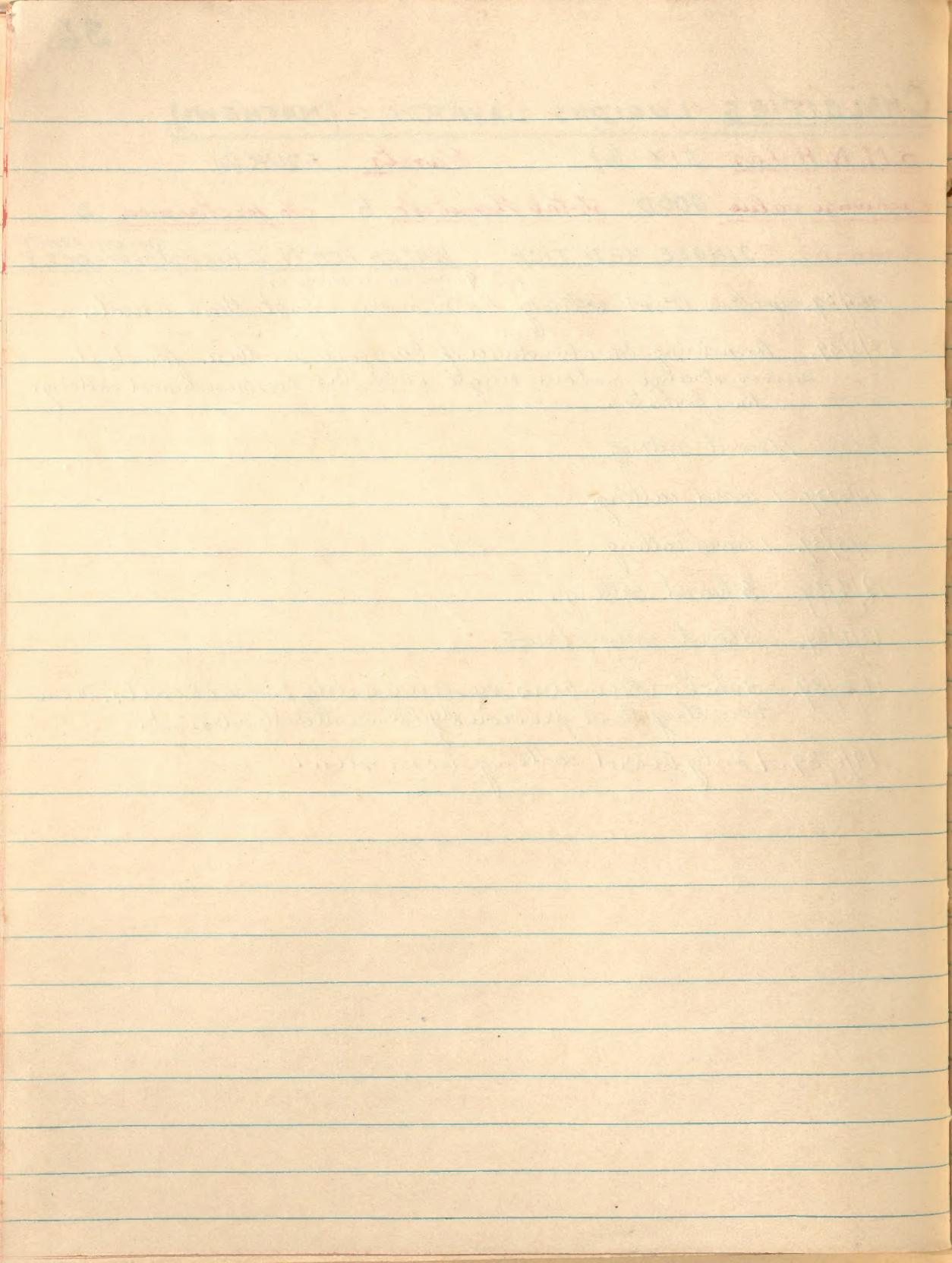
19/5/39. 1 heard calling.

12/6/39. 3 heard calling.

13/6/39. 3 heard calling 1 shot.

16/6/39. 3 shot. Numbers are increasing but not calls. Seen where they have previously been entirely absent.

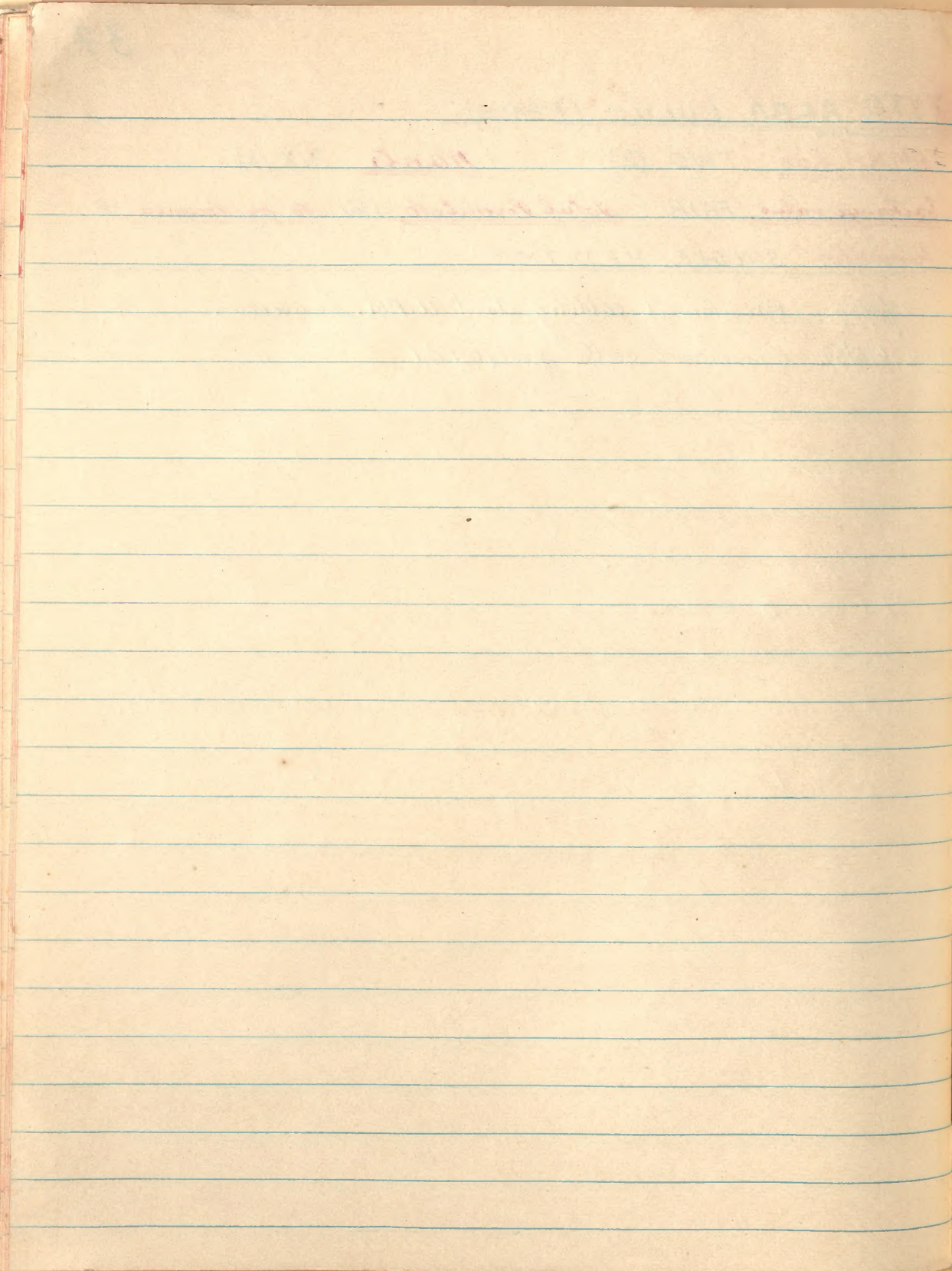
19/6/39. 1 only heard calling none seen.



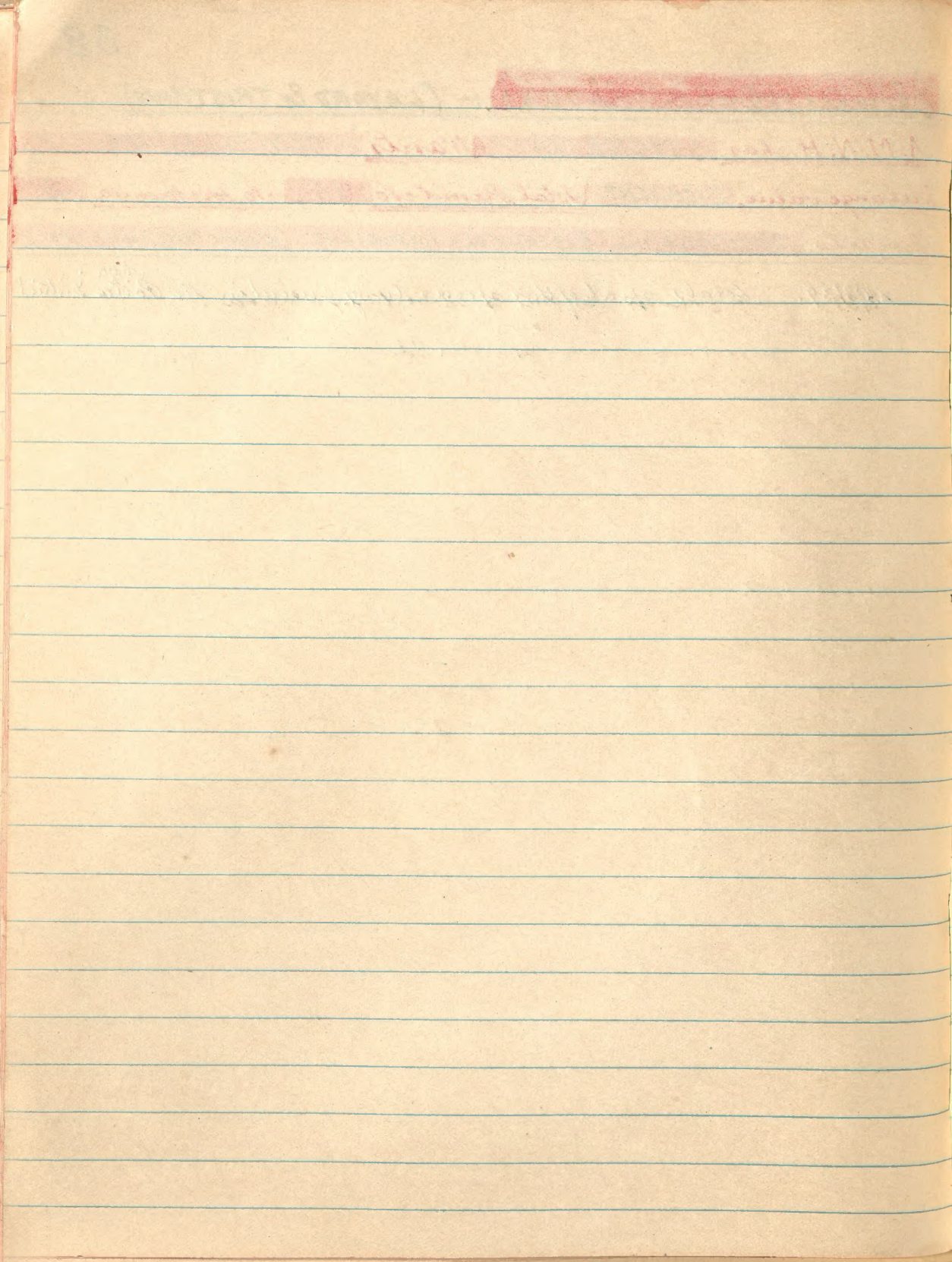
TYTO ALBA LULU:- (PEALE)AMNH. has TWO (2) Wants SIX (6).Exchange value. FAIR Total Permit 12 cto. for 2 cto. for 2Remarks. SINGLE RED TICK.

12/3/39 One heard calling about 11 PM. no answer.

WAILU 4/5/39 One heard calling at 10 PM.



AEGOTHELES SAVESI :- (LAYARD & TRISTRAM).A. M. N. H. has. NONE (0) Wants. TEN (PLUS) (10+).Exchange value. EXCELLENT Total Permit no. 15 No. for Boumea 2.Remarks. 2 RED TICKS & LINE :- EXCEEDINGLY IMPORTANT. (KNOWN FROM SINGLE SPEC.)24/3/39. Locals speak of this species being present in the ^{Paya} Parla District



COLLOCALIA ESCULENTA UROPYGIALIS:-(GRAY).A. M. N. H. has TWELVE (12) Wants. FOUR. (4).Exchange value. FAIR. Total Permit No. 6 cts. for Koumea. 2.Remarks.

6/3/39. Very common in forests along tram & log hauling tracks. Flies below tree level mostly. Fairly common along train line to forests in open country but is ^{greatly} outnumbered by the larger species there. It outnumbers the larger species in forests.

14/3/39. Feeds much along forest tracks even in fairly heavy rain.

15/3/39. Noticed feeding much today along tracks, even very narrow tracks.

16/3/39. Feeding much as usual.

17/3/39. Feeding in all but heaviest down pours.

20/3/39. As usual feeding in rain & between showers irrespective of weather.

24/3/39. Not as many as usual of this species seen.

27/3/39. Very abundant & feeding much.

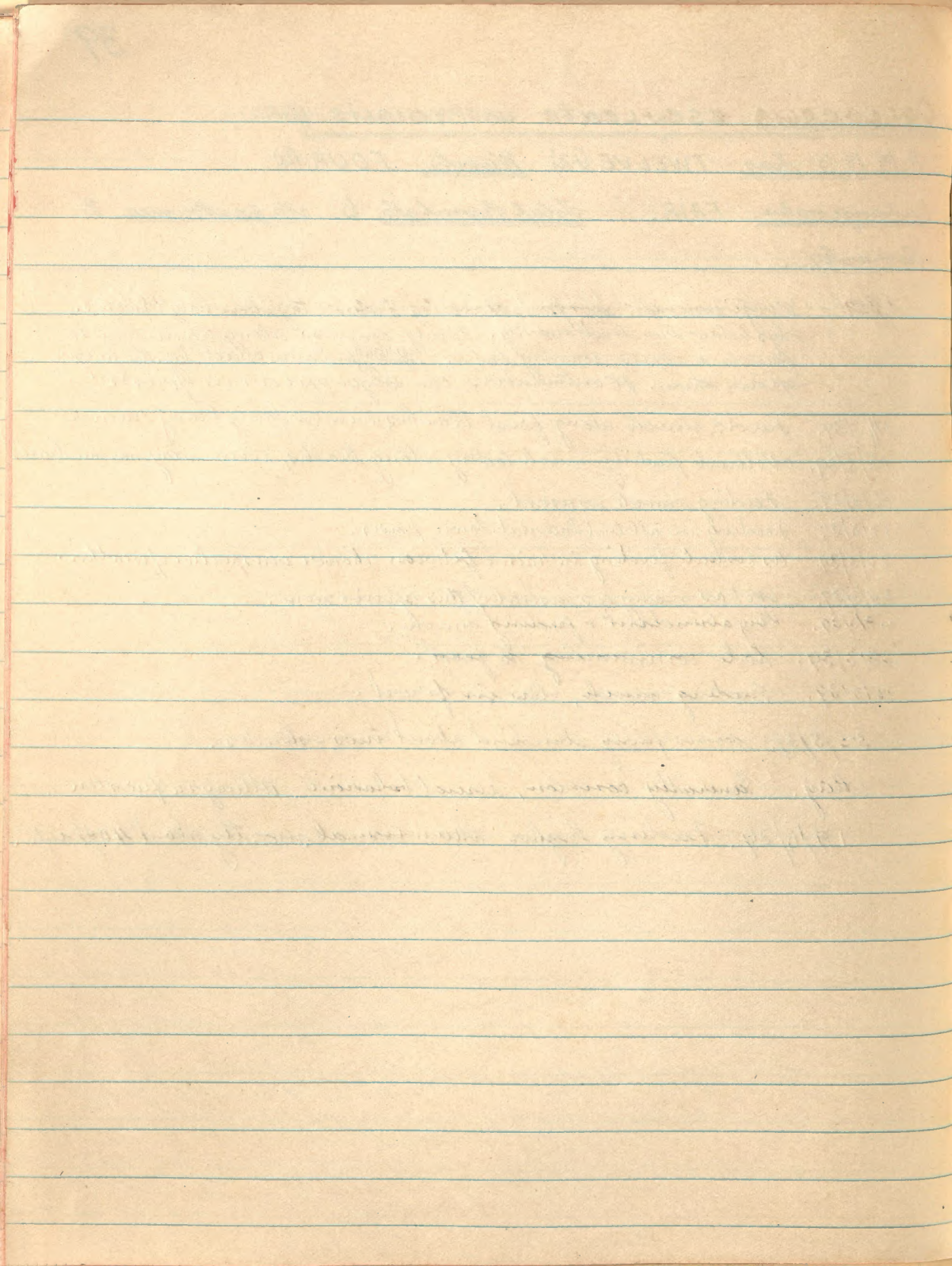
28/3/39. Late commencing to feed.

30/3/39. Feeding much, low in forest.

WAILU 3-5/5/39. seems fairly abundant about trees & shrubs.

May. Generally common, usual behavior. Always a few seen.

17/6/39. Feeding higher than usual mostly about 40ft up.



COLLOCALIA SPODIOPYGIA LEUCOPYGIA:- (WALLACE).A. M. N. H. has. SEVEN (7) Wants. SIX (6).Exchange value. GOOD. Total Permit No. 12 No. for exchange. 2.Remarks. SINGLE RED TICK.

6/3/39. Exceedingly common along train line to forest in the open country. Not plentiful in forest or fly above the tree tops there.

14/3/39. Fairly common in forest clearings + above tree top level. Feeds in fairly heavy rain.

15/3/39. Feeding more today + low where clearing occur but not along narrow track clearings. Mostly about + above the leaf canopy.

16/3/39. Feeding much as usual.

17/3/39. Feeding in light rain, always high up.

20/3/39. Both species of Coll. seen every day, but not many of this species.24/3/39. Not ^{as} many about as usual.

27/3/39. Very common + feeding much but always above the tree tops.

28/3/39. Late commencing to feed.

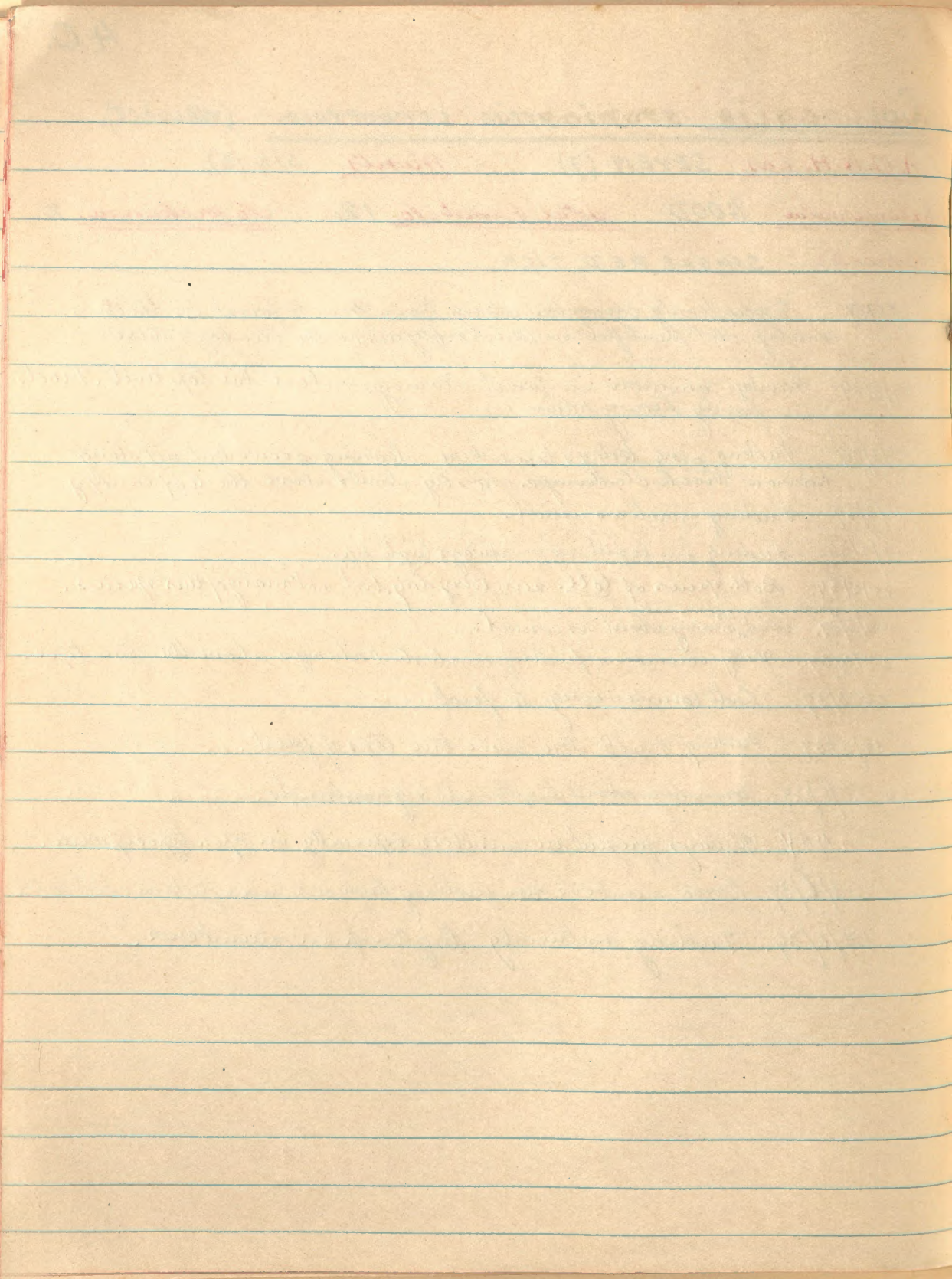
30/3/39. Feeding much close above tree tops of forest.

WALLU 5/5/39. common about heathlands + grasslands.

MAY Always present in numbers especially in open types of area.

13/6/39. Large numbers seen feeding high over river flats on insect hatched.

17/6/39. Feeding extremely high up in numbers.



HALCYON CHLORIS CANACORUM:- (BRASIL).A.M.N.H. has TEN (10) Wants. FOUR TO SIX (4-6).Exchange value. FAIR Total Permit. cts. 12 cts. for c. 1000. 2.Remarks.6/3/39. Fairly common in open country. One seen in forest. SK. 31 B

15/3/39. Timber cutter say it is uncommon in forests.

17/3/39. 1 seen on bank of river near timber clearing.

24/3/39. Two heard calling. Not a common species in the forest.

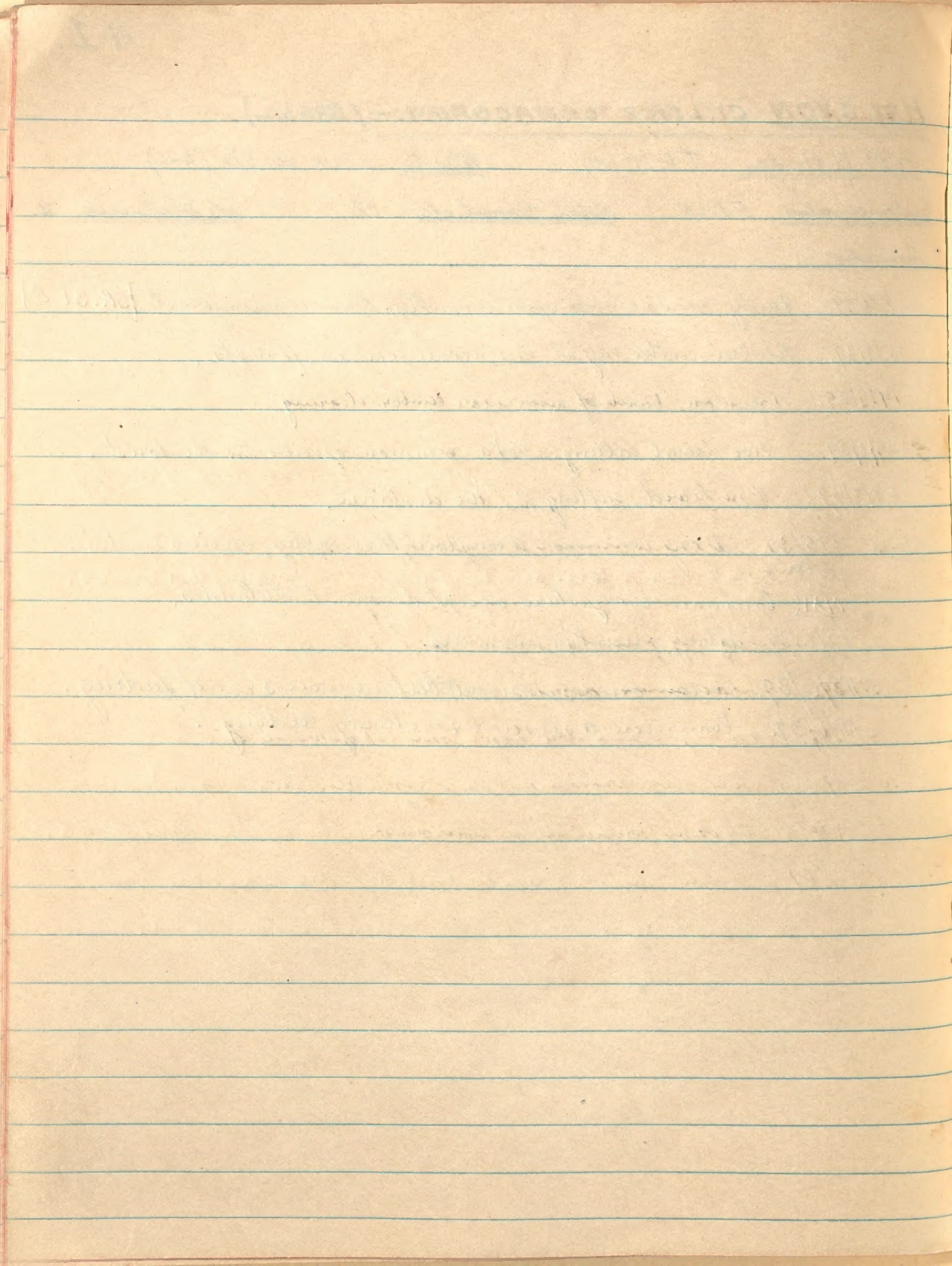
27/3/39. One heard calling in the distance.

WAILU 5/5/39. Very common throughout this valley, varies much in colour.MAY Common everywhere except in open heathlands.

12/6/39. Always present in numbers.

17/6/39. Common as usual but nervous & not feeding.

19/6/39. Common as usual & actively feeding.



LALAGE LEUCOPYGIA MONTROSIERI - (VERREAUX & DESMURS)A.M.N.H. has SEVEN (7). Wants FOUR (4).Exchange value. GOOD. Total Permit No. EIGHT (8). No. for exchange. 2.Remarks.

6/3/39. Did not appear common in forest, only seen there. Is common in more open country.

14/3/39. Is present in forest but does not appear very plentiful though in finer weather it may appear more.

15/3/39. One or two seen, feeding high in leaf canopy. (Fruit?)

16/3/39. about half a dozen seen, fairly numerous in forest evidently.

17/3/39. Very few seen during very wet day.

20/3/39. Only one seen in short time.

24/3/39. One seen & shot. appears to live almost entirely in the upper leaf canopy. Apparently a fine weather bird.

27/3/39. Several seen & heard.

28/3/39. One seen feeding low, several seen high up.

30/3/39. Several seen feeding low in forest. Active in sun.

WAILU 4/5/39. Sun fairly common all over area.

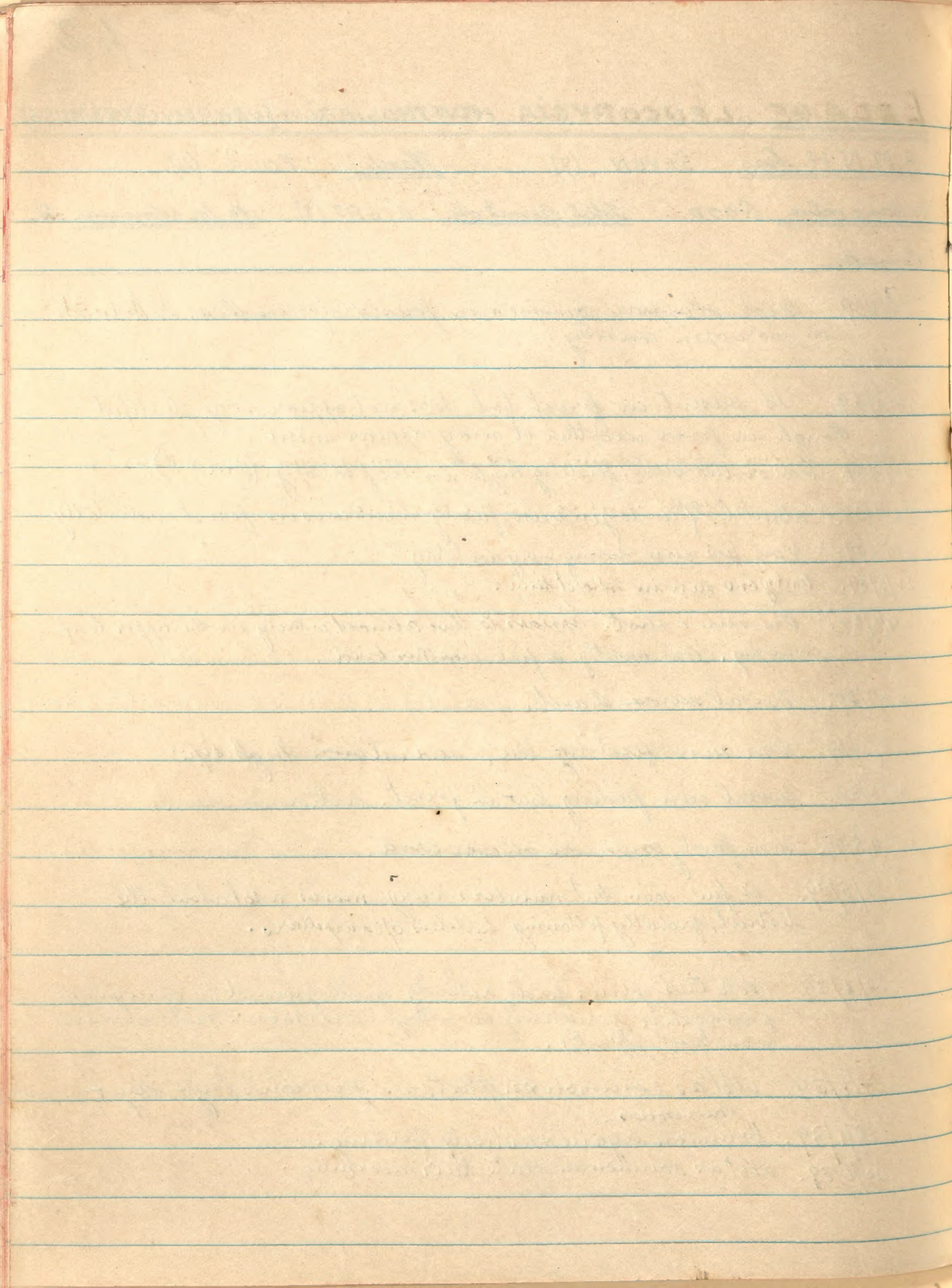
20/5/39. A few seen but numbers vary moves a lot about the district, probably following hatches of caterpillars.

12/6/39. Note this species feeds actually on the ground in open grass paddocks. Apparently on caterpillars or on. Feeds also in & on low shrubs.

17/6/39. Not as common on flats as previous days & shy & nervous.

19/6/39. Common again & actively feeding.

20/6/39. Not as common on flats this morning.



EDOLISOMA ANALE :- (VERREAUX & DESMURS).A.M.N.H. has TEN (10) Wants. FOUR (4).Exchange value. VERY GOOD. Total Permit No. EIGHT (8). No. for Name. 2.Remarks.

6/3/39. Birds thought to be this species were seen high up in forest trees in one or 2 places.

18/3/39. Two were heard calling about camp + one shot from tent door. Evidentially live mostly very high in the forest trees. In shocking moment + badly shot damaged. Not worth skinning. A brief description. Adull blue grey, powder down feathers, ^{newly} ~~newly~~ smaller than Coracina cal. cal. with darker wings + tail, + the under tail coverts a light rufous, with a lighter rufous wash under the wings. The call is loud + arresting, somewhat like a squeaky shrill shriek.DATA. ♂ (ad.?) $\frac{1}{2}$ -, repose, black.

SKL. almost shot away but believe C.O.

SHOT 3.30 P.M. (raining) from camp door.WGHT 97.1 gm.STM $\frac{1}{2}$ seeds or small berry fruits.MOULT W: R. ♂. 3, 4^F, 10^F. (shot to blazer). covs + sec. ♂
L. 3, 4^F, 11, 12, 13.TL. R. 1-3 } covs V.M.
L. 1, 3-6.BODY. all uppers M to V.M. increasing from head to tail.
all unders O to M. increasing head to tail, x breast O.ABR. W. mixed from N to MM. average C.TL. mixed from N to V.M.

Consist. body abr. also.

SOFT PARTSIris reddish brown. Bill black. Legs feet black.20/3/39. A family party of 3 seen about camp, 1 shot. ♂ imm $\frac{1}{2}$ + 543671 L.T.V.
Another family party of 4 seen feeding very high + another party of 4 feeding in the upper middle layer.

22/3/39. A number seen + heard. All in bad moult. Appears to feed at lower levels than the other shrikes.

24/3/39. Several seen + heard. Is a curious bird. Often seen as low as ten feet, but mostly from 20ft + upward. 1 shot.

27/3/39. Common + obiv. Generally calls after a gun shot or sudden noise, whistle of the engine + so on.

28/3/39. Common & exceedingly noisy. Has shrill hysterical whistling
calls.

30/3/39. Very noisy in sunlight. Calls little when clouded over.

CORACINA CALEDONICA CALEDONICA :- (GMELIN)A. M. N. H. has FIVE (5). POOR SPECIMENS. Wants EIGHT (8).Exchange value. GOOD. Total Permit etc. 12. etc. for etc. 2.Remarks. SINGLE RED TICK.

6/3/39. a few seen in forests but not plentiful at all.

14/3/39. One immature shot in heavy rain, near but not with a family party of crows.

16/3/39. One shot high in forest tree, fully 60 ft. or more up, but lost.

20/3/39. Several heard calling especially when it was intended to be fine, all were very high in the forest.

24/3/39. One seen & shot. Is not a common species in the forest though a few are generally about.

27/3/39. Several seen & heard. Appears more active & plentiful in forest in fine weather.

30/3/39. One seen feeding high in forest.

WAILU 4/5/39. Several seen. Not common but a few are seen about.

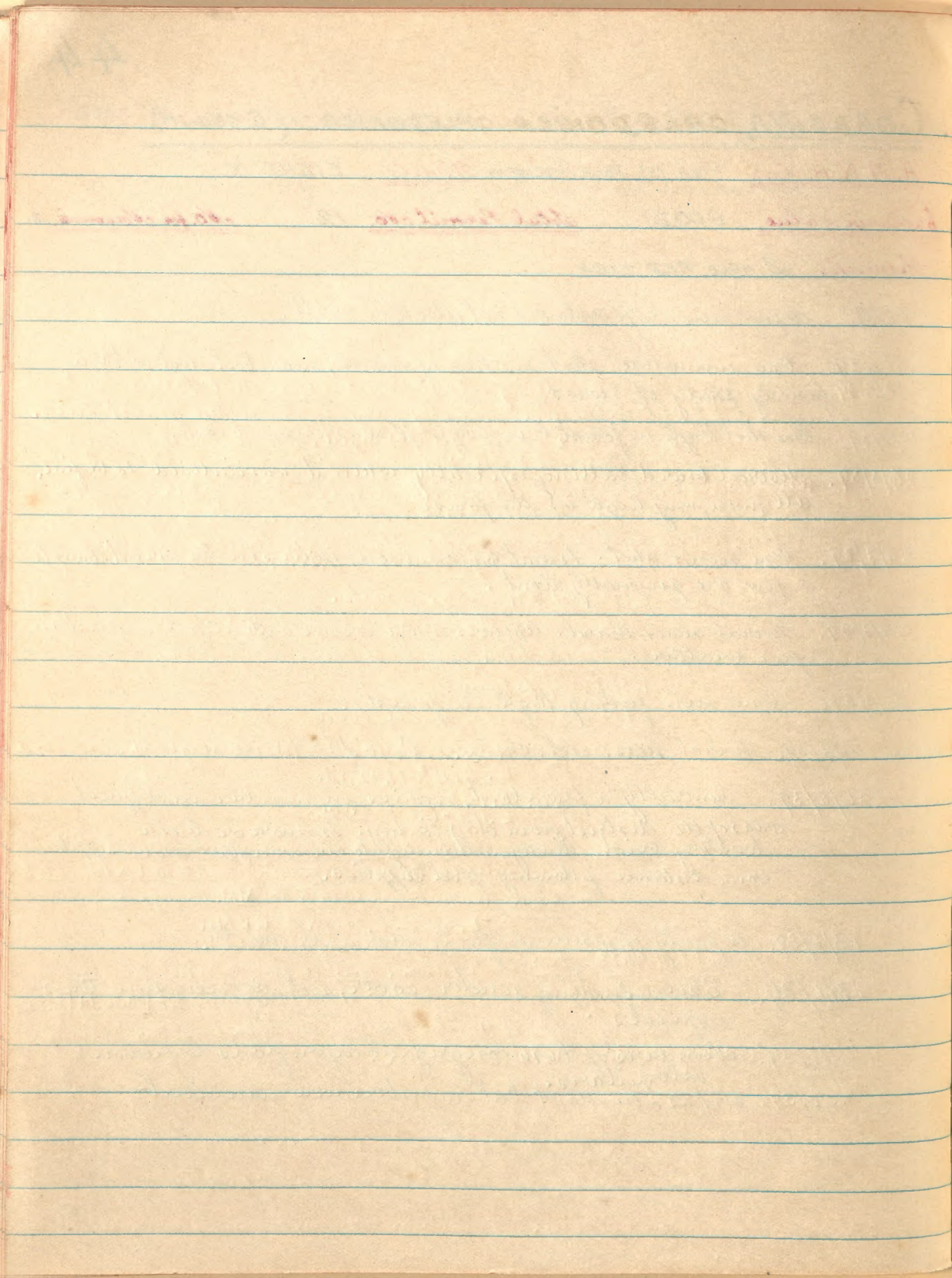
20/5/39. Generally a few about, varies in number in different areas of the district from day to day. Is more or less a territory bird always returning to one area, but moves off to some distance following food supplies.

13/6/39. a party of 4 seen on flats near river mouth.

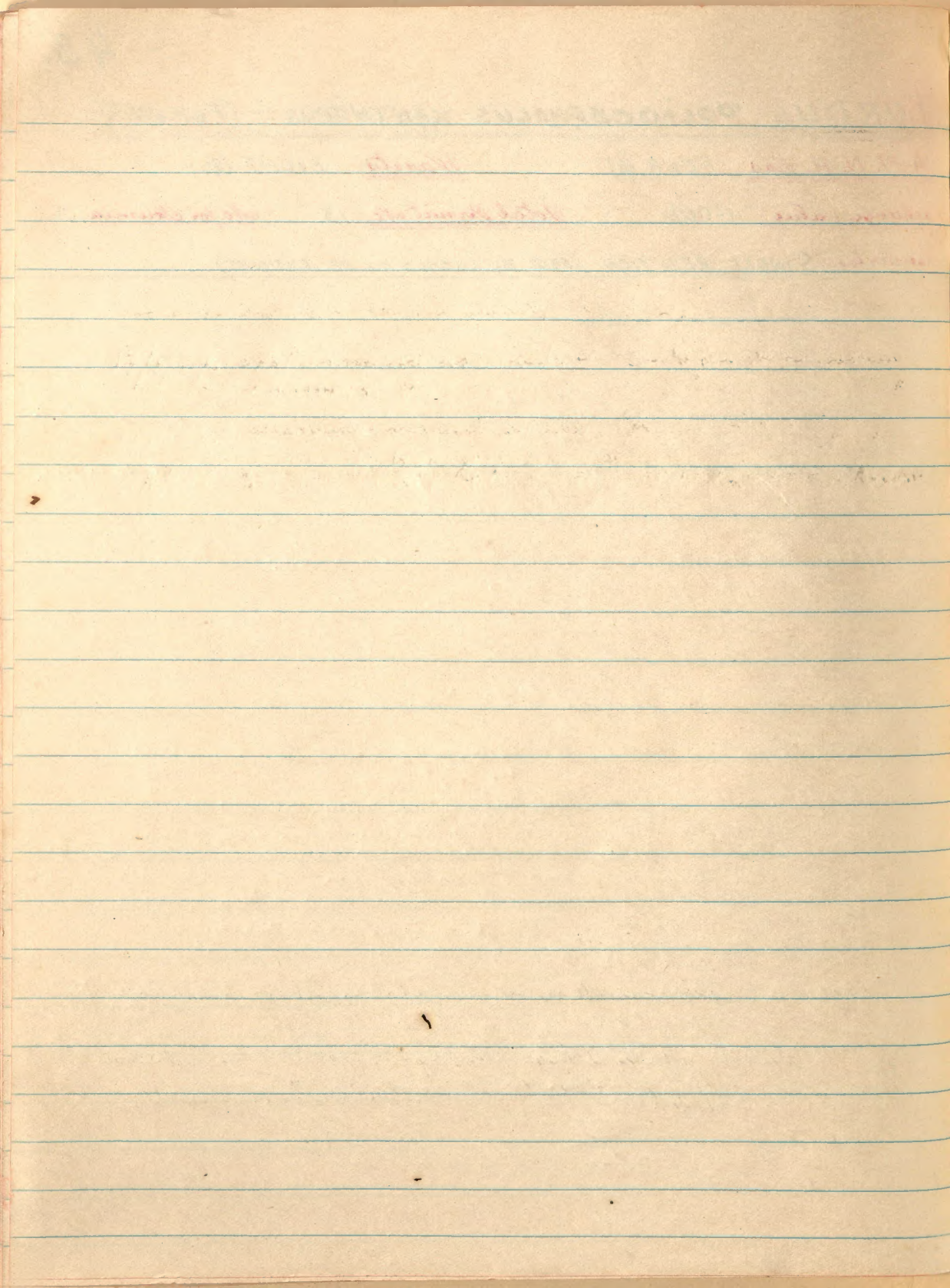
17/6/39. 3 seen feeding under cover, not very usual in this species.

19/6/39. Numbers of these congregating on flats to feed on calappillars.

20/6/39. Not as abundant but numbers were seen about.



TURDUS POLIOCEPHALUS XANTHOPUS :- (FORSTER).A. M. N. H. has FOUR (4)Wants EIGHT (8).Exchange value GOOD.Total Permit No. 15No. for skumia 3Remarks SINGLE RED TICK (SAID BY LOCALS TO BE EXTINCT).



MEGALURULUS MARIEI:- (VERREAUX)

A.M.N.H. has. ONE (1) Wants. TWELVE.

Exchange value. EXCELLENT. Total Permit no. 18 no. for *Chamaea* 3.

Remarks. TWO RED TICKS & LINE. (EXTRA IMPORTANT).

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3/5/39. One seen on margin of road before daylight. Later well over a dozen were seen & heard. 3 shot. Is not a bird of forest apparently. Prefers long grass, low scrubs of 3 or 4 ft + heathlands. Has an alarm call something like *Turdus* but not so loud or sharp. Is shy + wary + does not come to lure calls. Never seems to go higher than 2 or 3 ft from ground. Is more of a grass bird than anything else. Similar to the best species.

4/5/39. Over a dozen seen & heard. 3 shot, (2 lost). One seen 6 ft from ground though only 2 ft from top of long grass. Stay almost constantly under cover from the sky. One seen to fly across main tropic road at about 10 A.M. with autos passing to + from. Another seen on road margin.

5/5/39. Estimate in heathlands there must be at least 2 to every acre + probably more. many heard though very few are ever seen by comparison. Loves the bracken fern country, shot.

15/5/39. Inhabits reed beds, *Noulie* open forest, with grass + ferns in between.

17/5/39. Appears to leave some of its favourite haunts in wet weather as it does not like the dense vegetation in which it inhabits when wet, + it is wet. Moves to drier hill sides thus increasing numbers there.

19/5/39. Definitely this species does move out from damp areas.

20/5/39. Seems to entirely leave the wetter grass areas where it was very common in dry weather + moves to the adjacent hill sides + dryer areas.

12/6/39. It is very noticeable this species has again moved down onto the grass flats again, nor does it appear as abundant in dryer heathland though still plentiful in lower heathland areas. This cold morning it was inactive till about 8 o'clock then began calling + moving much. It called from grey dawn till full daylight tho' it didn't move much, then was silent till about 7.30 or 8 A.M. but fed + called from then till 10 A.M. later.

13/6/39. This morning within 150 ft of the main road along which numerous cars pass I saw a pair carrying nesting material. Unfortunately when sighting the first bird in dense brush I didn't notice it was carrying anything. It flew to a clear perch + as it landed I fired + only then noticed the long dry leaf of blade grass in its bill. The mate was close about + very upset. It was carrying building material + several times dropped dry long blade

grass leaves on its dead mate, uttering mournful low squawking noises. I watched it for ten minutes but failed to locate the nest. It seemed to consider its work done when it delivered the grass to the dead mate, though it was plainly puzzled by the unresponsiveness of its mate, would depart for another blade of grass & return. It did this 4 times in ten minutes. The shortest blade brought was about 9" in length, the longest 12", all were thoroughly dry & curly. I eventually shot it also & then searched closely for the nest but failed to find it. I believe they nest in tussocks or amongst ferns as those were the only possible places for it to nest in that locality. Its nest & habits are probably akin to Megalururus of Australia.

17/6/39. Not as noisy as usual. few calls few seen, extremely shy & nervous.

19/6/39. Behaviour normal. Moved out from wetter to dryer parts of its haunts because of rain & wetness of grass areas.

20/6/39. Behaviour usual & later when dryer birds moved into wetter areas again.

GERYGONE FLAVOLATERALIS FLAVOLATERALIS :- (GRAY)A.M.N.H. has. Six (6) Wants. TWELVE (12)Exchange value. VERY GOOD. Total Permit cts. 18 cts. for columbia. 3.Remarks. SINGLE RED TICK.

6/3/39. seems evenly distributed in forests, but is not exceedingly common. call seems the same as *Lagotis* but slightly stronger than *L. b.*

14/3/39. Fairly plentiful but regularly distributed in forest. Feeds at all levels but mostly below 15 ft. in wet weather anyway

15/3/39. a few seen, silent but active today. Feeding at all levels. 1 imm. shot.

16/3/39. a early feeder. Very busy feeding today, mostly below 20 ft.

17/3/39. the number of calls heard but birds very inactive except in grey dawn before first down pour.

20/3/39. a few seen. actively feeding during intervals between showers. One immat. collected. SK.36.J Imm. 4.

22/3/39. The usual ones seen. some collected. Imm. greatly outnumber adults.

24/3/39. The usual ones seen.

27/3/39. Common as usual. Imm. appear to outnumber adults by at least 4 to one & seems nearer 8 to 1. Feeds at all levels but mostly low down & up to 15 + 20 ft in the second growths of forest.

28/3/39. both commencing to feed.

30/3/39. Common & feeding at all levels. Active in sun.

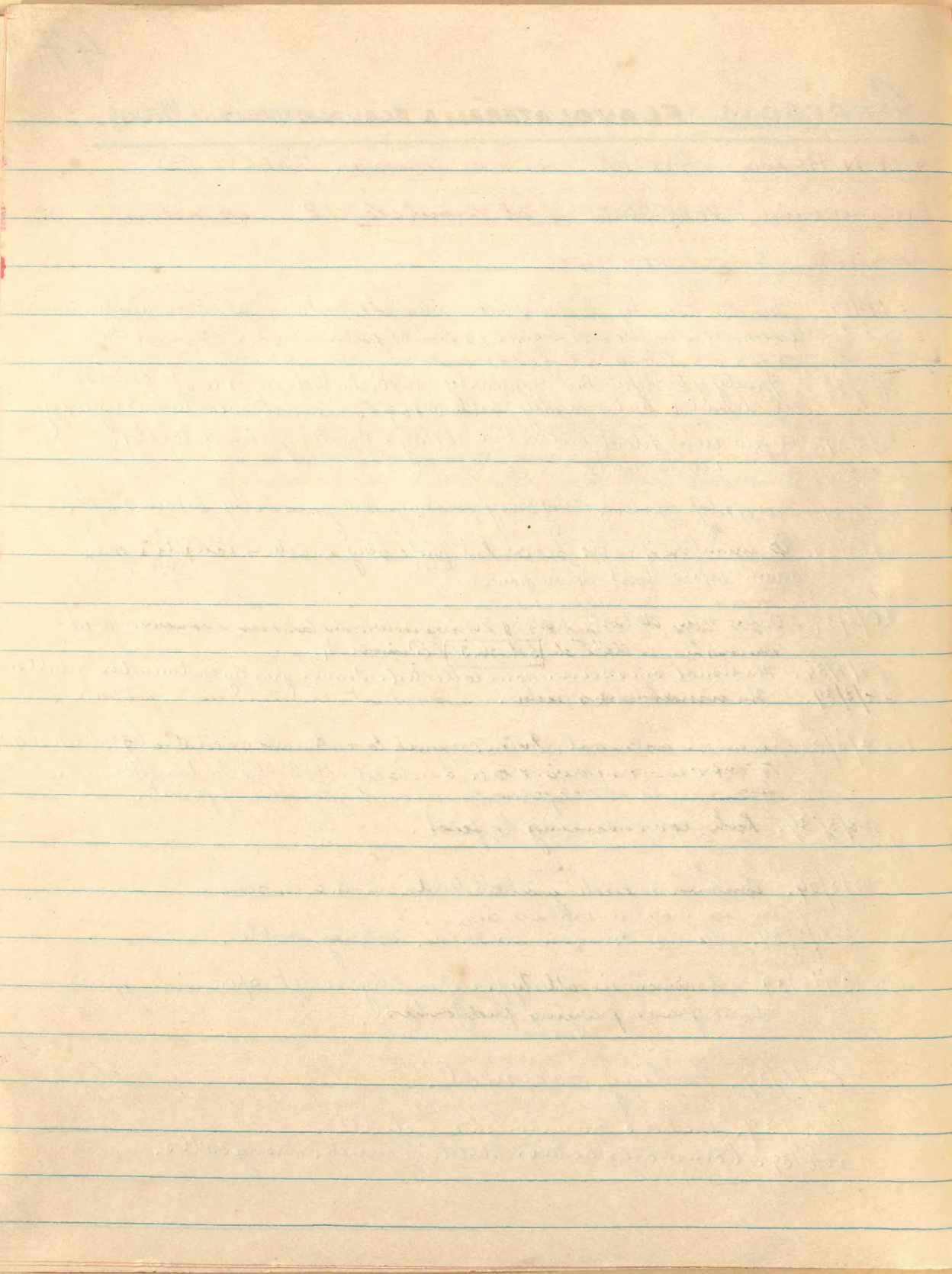
WALU 3-5/5/39. seems common in area. A strong warble.

upto 29/5/39. Common in all types of country except open wide space short grass grazing paddocks.

17/6/39. Feeding as usual.

19/6/39. cts as numerous as usual.

20/6/39. Common & active. Warbling much, strong calls.



RHIPIDURA SPILODERA VERREAUXI.-(MARIE)A. M. N. H. has FOUR (4) Wants TEN (10).Exchange value GOOD. Total Permit No. 14. No. for Okouma 2.Remarks: SINGLE RED TICK.

6/3/39. Seems very common in forest & the only species seen there. Has just finished breeding, family parties seen. Feeds at all levels but mostly below 15 ft.

14/3/39: Exceedingly common in forest.

15/3/39. A number seen feeding at all levels up to 20 ft.

16/3/39. Exceedingly common & feeding much, mostly below 10 ft. odd above that to 20 ft. more higher. In slower moves & not as active as the other race. 2 spec. taken. [SK 34A] ♂ ad. $\frac{1}{2}$ - + [SK 34B] ♂ imm. $\frac{1}{4}$ +

17/3/39. Not active except very early before dawn pour. Noticed that number came to edge of beam tracks & clearings in grey light of dawn to feed. One specimen [SK 35B] ♀ ad. $\frac{1}{2}$ - before.

20/3/39. Numbers seen, very actively feeding between showers. Feeding at all levels & actually on the ground. Mostly below 15 ft. odd few higher. 4 specimens collected. [SK 36A] male ad. $\frac{1}{2}$. [SK 36C] ♂ imm. $\frac{1}{4}$. [SK 36D] ♀ ad. $\frac{1}{2}$ -). [SK 36F] ♀ juv. $\frac{3}{4}$ +.

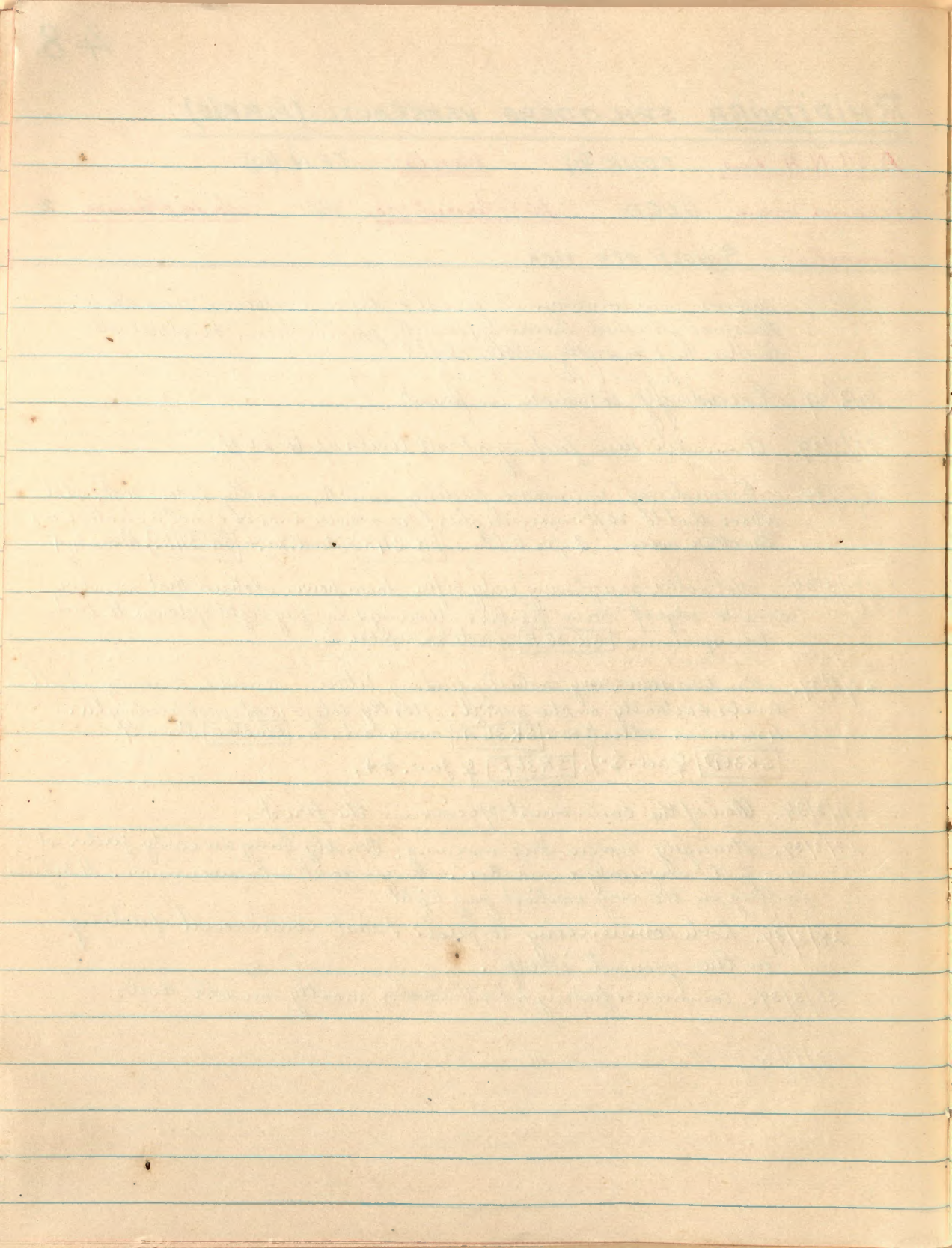
24/3/39. One of the commonest species in the forest.

27/3/39. Strangely scarce this morning. Possibly being an early feeder it was full very early & inactive. Even so it not uncommon. It begins feeding in the very earliest grey light.

28/3/39. Rate commencing to feed. First commenced feeding on the ground itself.

30/3/39. Common & feeding at all levels, mostly middle levels.

17/6/3



RHIPIDURA FLABELLIFERA BULGERI :- (LAYARD)A.M.N.H. has TEN. (10) Wants. EIGHT. (8).Exchange value GOOD. Total permit no. 12. no. for Burma. 2.Remarks.

14/3/39. Is also present in forest a single family party feeding in low scrubs. Calls appear somewhat similar to the other species. Very easily confused with it, except if the rufous tinge of back is seen, appears also slightly more active.
 [SK. 32 B] female adult collected.

16/3/39. seen feeding mostly above 50 ft. Is exceedingly active in the upper half canopy. One shot about 50 ft up in forest tree.

17/3/39. One presumed by its activity to be this species seen high (60 ft) in forest.

20/3/39. several seen high up in forest. Distinguishable by greater activity. One seen low. Long, sweeter song but not so loud as other species, soft musical. Believe they feed higher not low.

22/3/39. A few seen.

24/3/39. A number seen all high up.

27/3/39. seemed more common this morning. Feeding much higher & low.

28/3/39. Numbers seen feeding high. Late feeding.

30/3/39. Only one seen feeding very high.

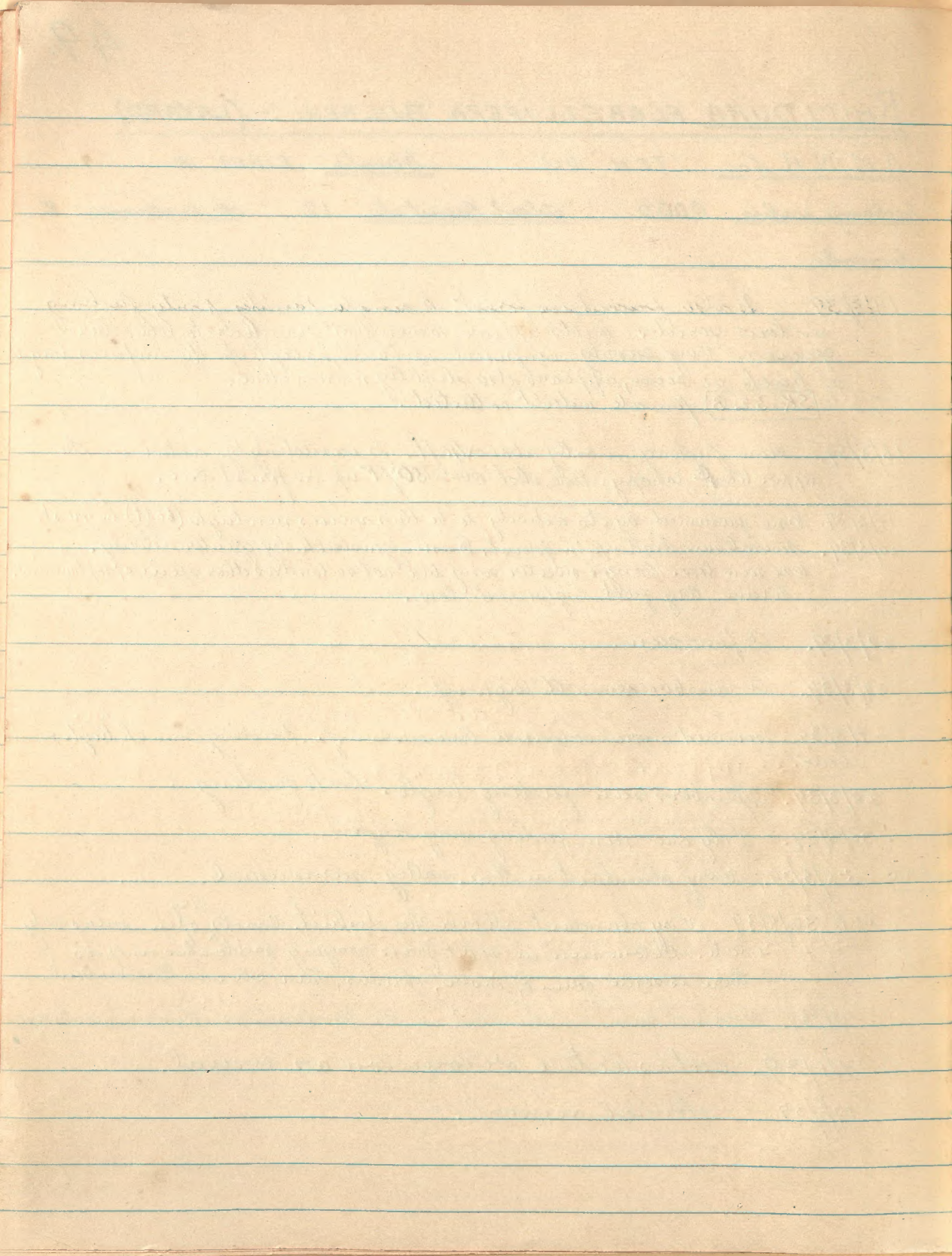
WALU 3-5/5/39. Very abundant in this valley, seems usual.

up to 30/5/39. Very abundant all over the district. Visits ^{very} open areas early & late. Seldom seen in short grass grazing paddocks unless there is some form of cover, shrubs, trees etc. scattered about.

13/6/39. Does not seem as abundant in the lowland as it was a month ago.

17/6/39. Not as active or common as usual.

19/6/39. Normal as usual.



MYIAGRA CALEDONICA CALEDONICA :- (BONAPARTE)A. M. N. H. has FOURTEEN (14). Wants FOUR (4).Exchange value. FAIR. Total Permit No. 9 No. for album. 3.Remarks.

6/3/39. seems common in forests. but shy & wary. Doesn't respond to calls.

14/3/39. seems fairly common but shy won't answer calls.

15/3/39. Two heard calling none seen.

16/3/39. 3 heard calling none seen.

17/3/39. four or five calls heard, one female shot, had moult. 5K.350 ♀ ad. $\frac{1}{2}$ - up to L. T.V.20/3/39. More Myiagra, than usual seen in short time. 2 ♀ + 1 male.24/3/39. More Myiagra than usual heard calling. Finer weather may suit the species.

27/3/39. seems more common in fine weather. Is shy & stand offish. Feeds mostly above 30ft in the forests.

28/3/39. Few or no calls till 8 AM. Feeding always high up.

30/3/39. More than usual seen & heard. More active in sun. Feeds from middle to upper layers.

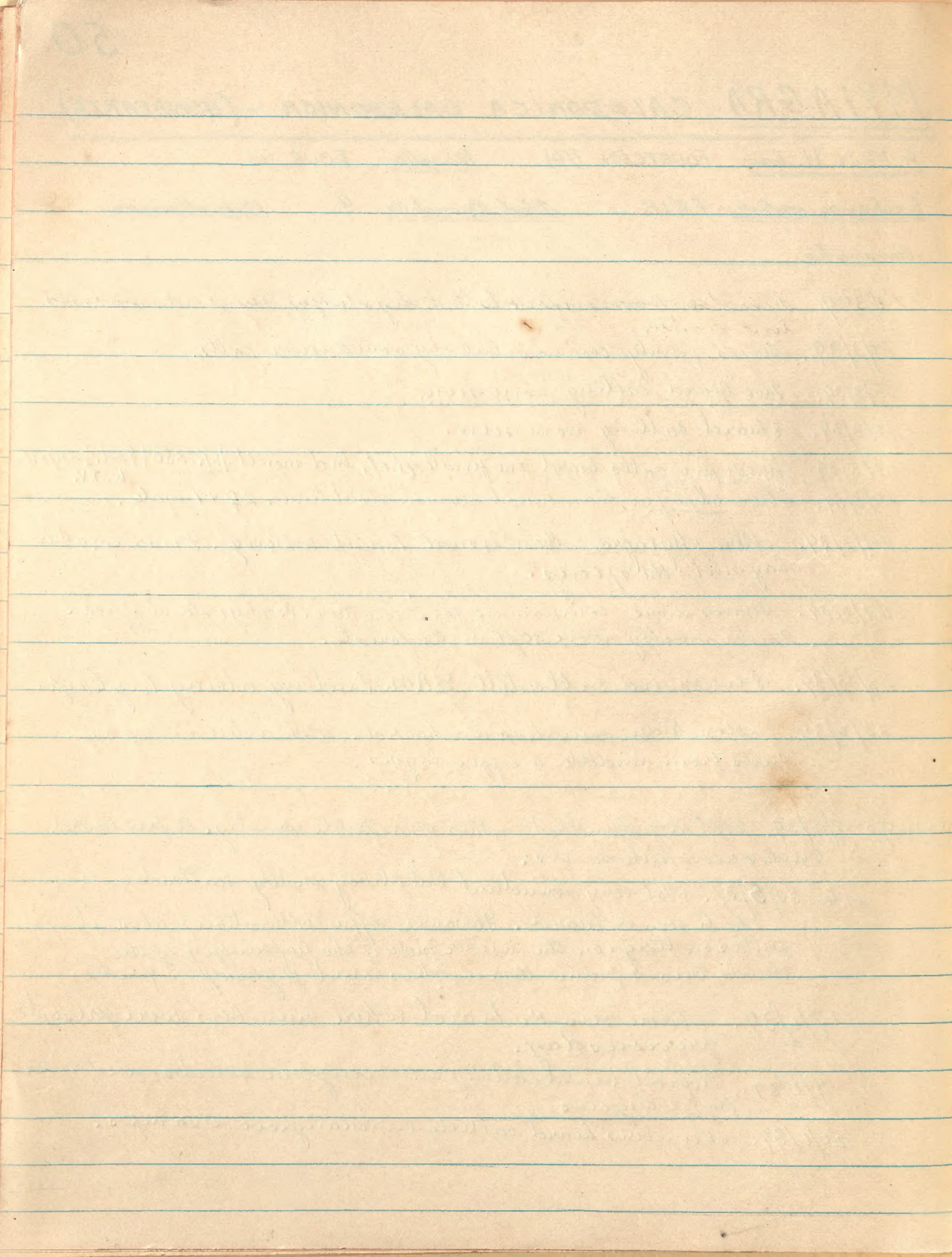
WAILEA 3-5/5/39. Not very abundant in this open fertile country. A few heard in scrub & river side scrubs.

upto 30/5/39. Not very abundant but always widely scattered ones to be seen or heard. Favours coffee cultivations where it perches on twigs on the under side of the leaf canopy of the shade trees & from there makes short flights after food.

17/6/39. None seen or heard where numbers were present previous day.

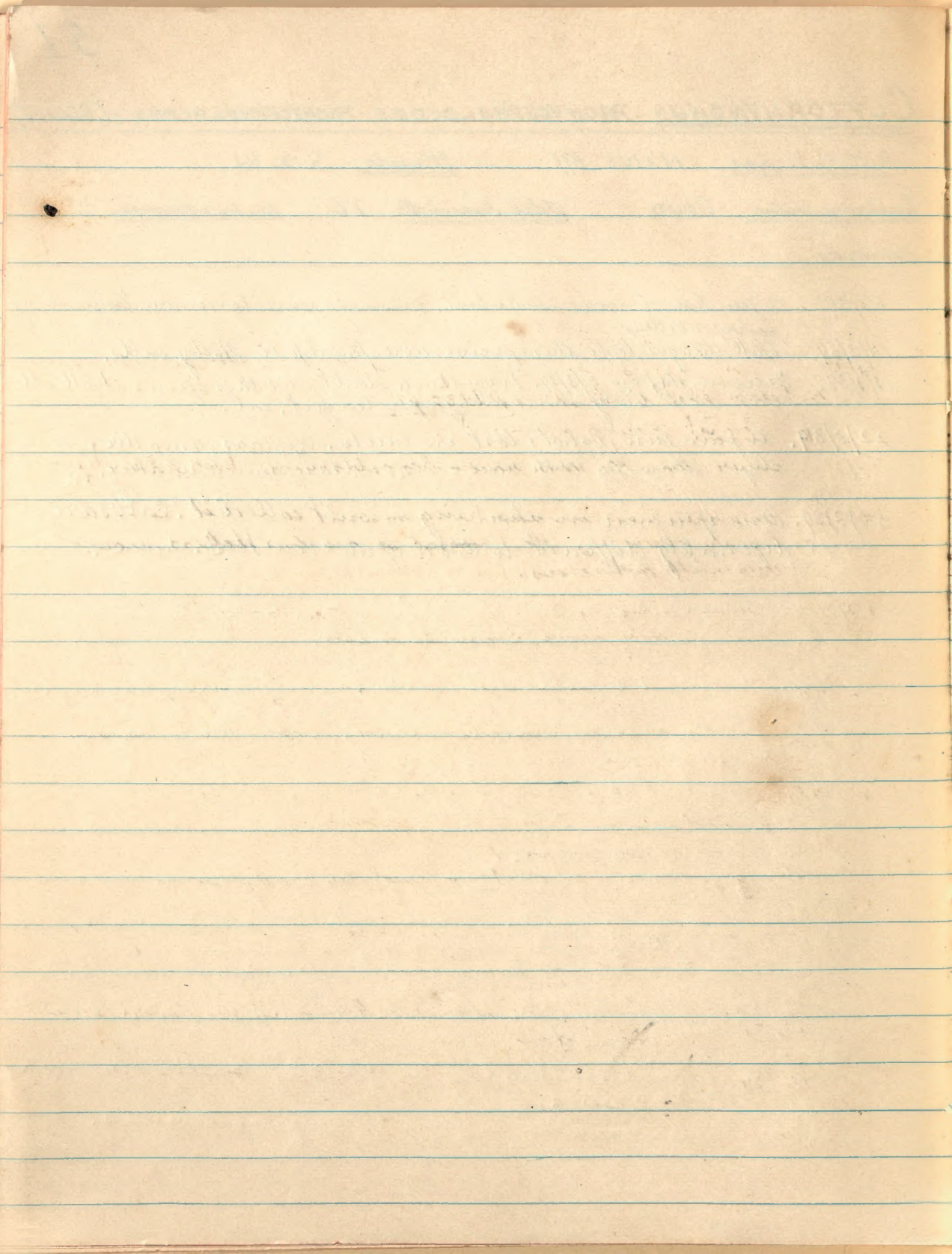
19/6/39. Several heard calling in mangrove scrubs about river flat margins.

20/6/39. Numbers heard calling in mangrove swamps.



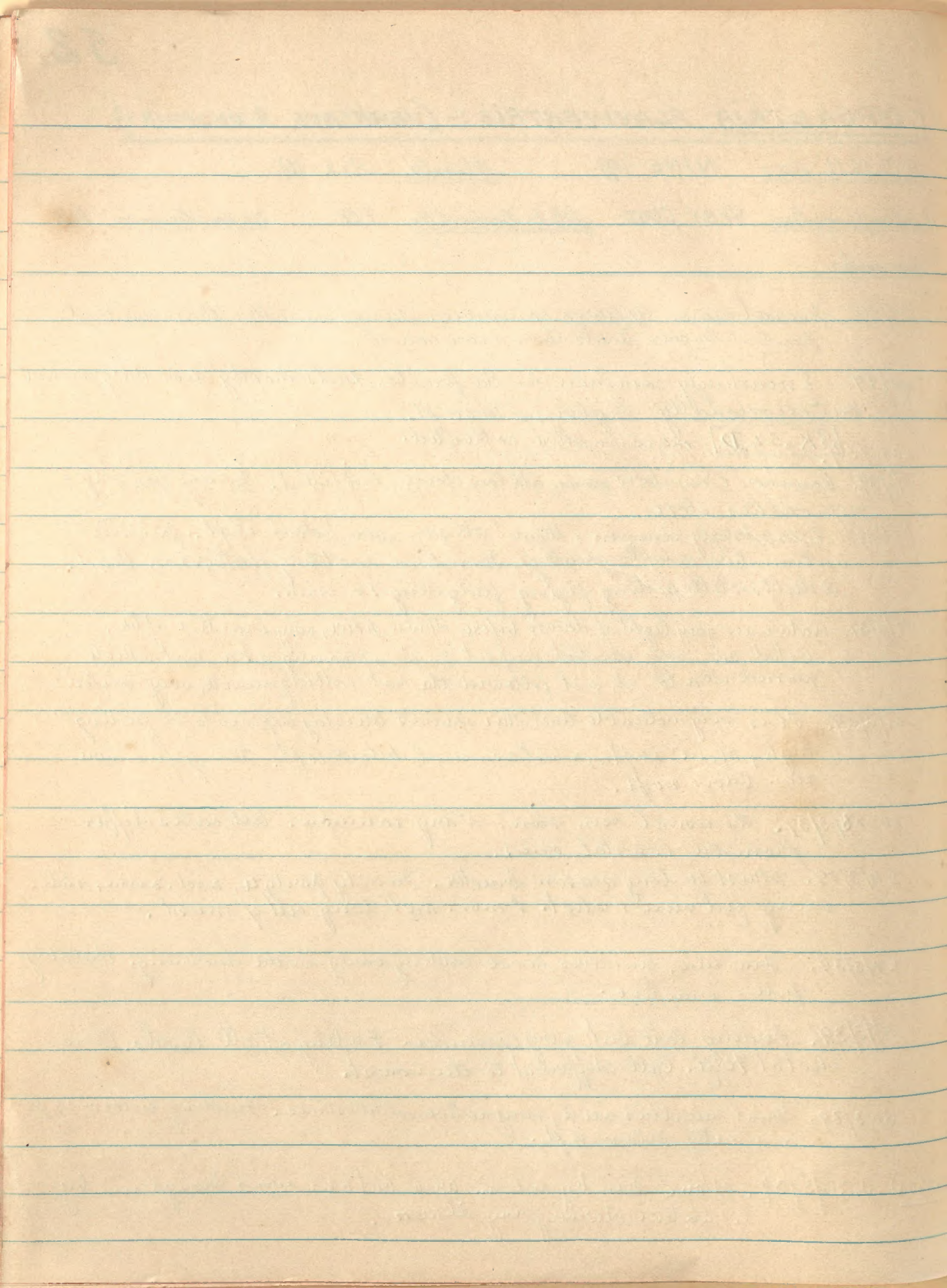
CLYTORHYNCHUS PACHYCEPHALOIDES PACHYCEPHALOIDES :- (ELLIOT)A. M. N. H. has NINE (9) Wants Six (6).Exchange value. GOOD. Total Permit No. 10 No. for Noumea. 2.Remarks.

- 6/3/39. A few heard + one shot + lost. Does not appear common. Early morning perhaps better.
- 14/3/39. All thought to be this species were found to be Pachy calls.
- 15/3/39. Specimen shot on 6/3/39. I very much doubt was this species at all all was most likely imm. Pachycephala pict. cal.
- 22/3/39. A pair seen, 1 shot + lost in creek. Appears smaller + slyer than the N.H. race + its calls are much weaker.
- 29/3/39. One specimen in shocking moult collected. Calls are definitely different to those of the New Heb. race.



EOPSALTRIA FLAVIVENTRIS :- (VERREAUX & DESMURS)A.M.N.H. has NINE (9). Wants. Six. (6).Exchange value. VERY GOOD. Total Permit No. 10 No. for Occurea. 2.Remarks.

- 6/3/39. Several seen. Appears common. Seems smaller than sea level. Feeds at higher levels than near coast.
- 14/3/39. Exceedingly common in the forests. Feeds mostly near the ground but occasionally higher up to 30 ft.
[SK. 32 D]. The immature collected.
- 15/3/39. Common & numbers seen, all low down, but silent. Is very friendly & approaches close.
- 16/3/39. Exceedingly common & tame. All seen were below 15 ft. Juveniles outnumber adults greatly. Immature molting feathers on head. Adults still feeding flying fledglings & imm.
- 17/3/39. Active in grey light of dawn before dawn pour, very inactive after. Noted one very excited & upset bird swearing at a rat which purred close to it, & it followed the rat calling much, very excited.
- 20/3/39. It is very noticeable that this species this day appears to be feeding high, above 20 ft., & not as usual below 10 ft. Very few were seen below 20 ft.
- 20-28/3/39. The usual run seen. Very common. All calls differ from the coastal ones.
- 24/3/39. Must be long season breeder. Family party, 4, 2 ad. 2 imm, still being fed seen & shot. 1 imm. not long out of nest.
- 27/3/39. Few seen, numbers heard calling early in the morning. Probably full. inactive.
- 28/3/39. Feeding late but very common. Feeding at all levels. One shot at 70 ft. Call different to the coast.
- 30/3/39. Great numbers seen, very active at all times. Feeding below 15 ft & mostly below 5 ft.
- WAILU after 30/5/39. Alone seen by me in area but one was brought in by a native during my illness.



PACHYCEPHALA RUFIVENTRIS XANTHETRAEA. (FORSTER).A.M.N.H. has. TWENTY-ONE (21). Wants. FOUR. (4).Exchange value. GOOD. Total Permit No. 9 No. for Museum. 3.Remarks.

24/3/39. Seems entirely absent in forest.

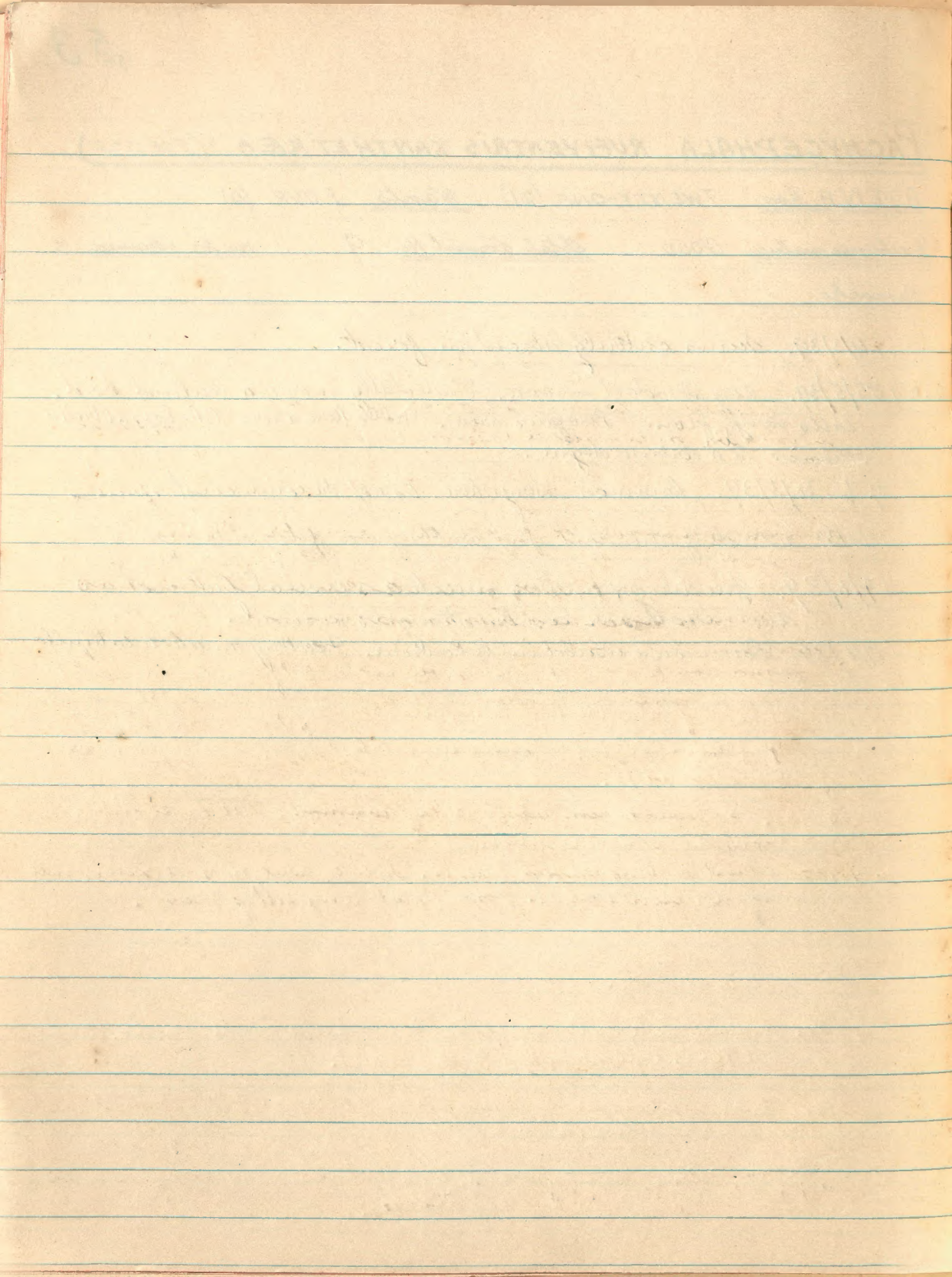
WAILU 35/5/39. Very abundant in area. Evidentially more of a lowland bird. Calls vary from Pwagus area. Calls here more like Eopsaltria. Mimics to a certain degree.

up to 30/5/39. Common everywhere. One of the commonest species.

13/6/39. Exceeding abundant about scrubby grass flats of river mouth.

17/6/39. Feeding & active much as usual but not as numerous or as trusting as usual.

19/6/39. Common & usual in behaviour. Feeding much on caterpillars.



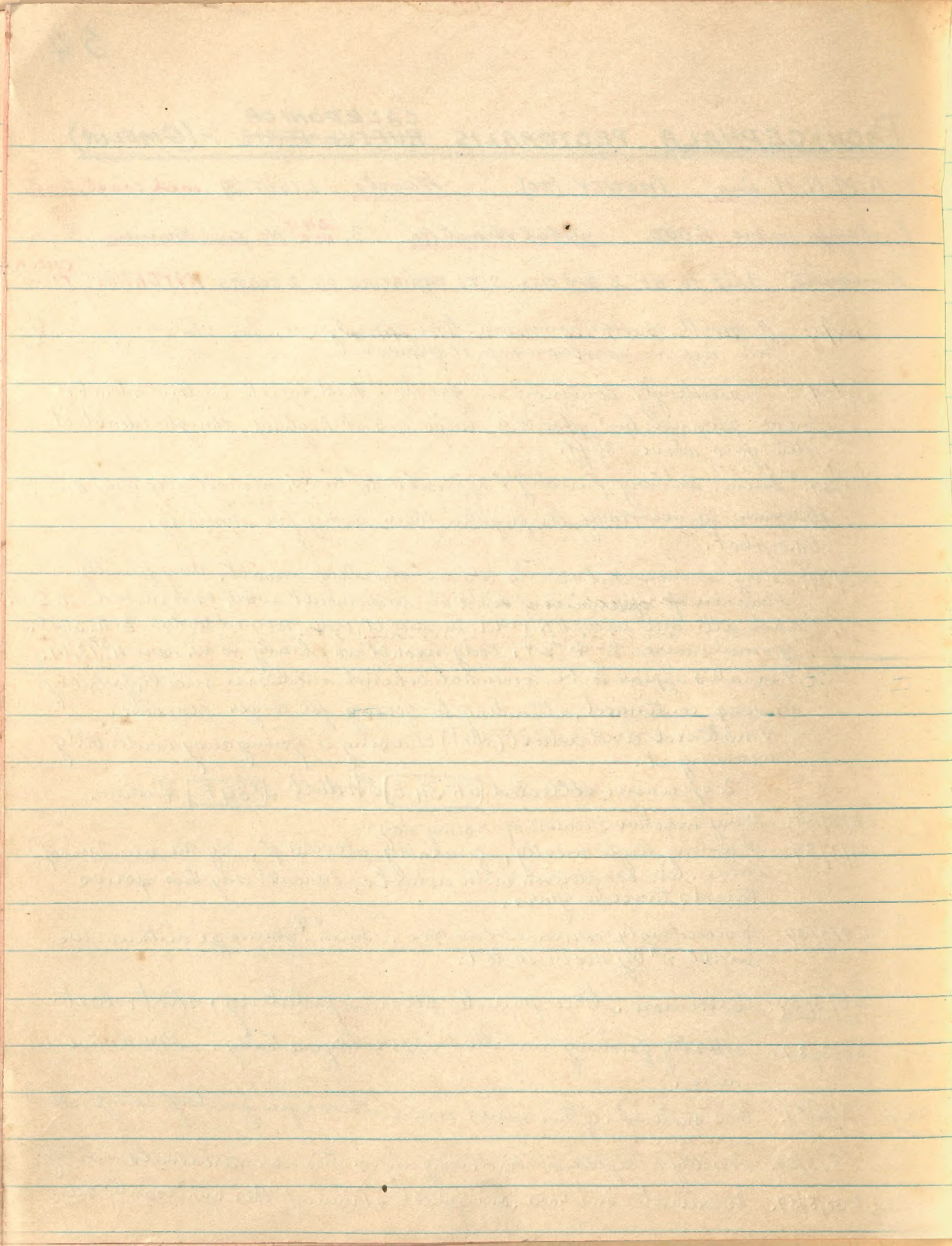
PACHYCEPHALA PECTORALIS CALEDONICA RUFIVENTRIS :- (GMELIN)

A.M.N.H. has. TWENTY (20) Wants. EIGHT (8) each coast, at least.

Exchange value. GOOD. Total Permit No. 13. ²⁴⁴ NEC. No. for C. Noumea. 3.

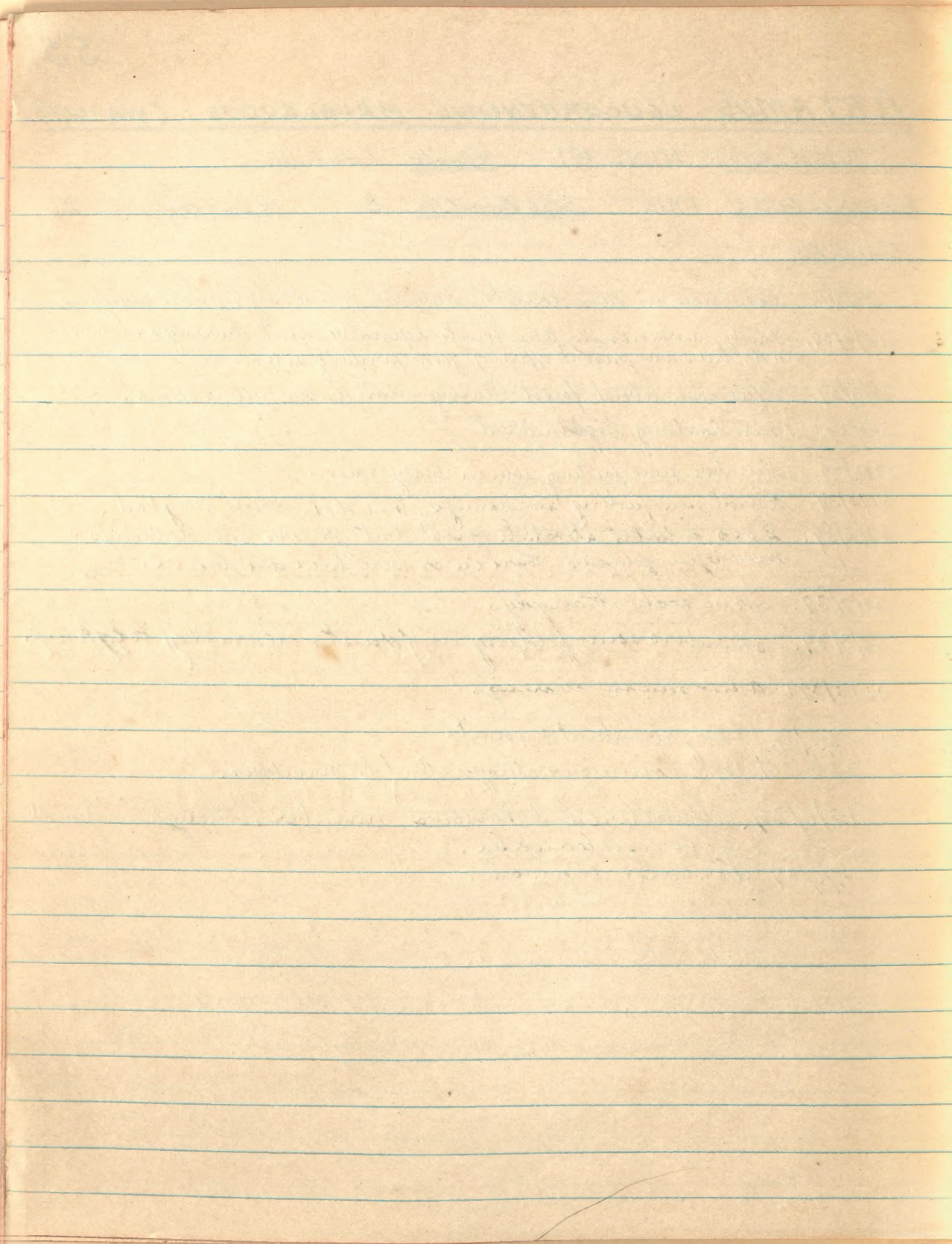
Remarks. SAID TO BE 2 SPECIES. SIZE VARIATION ON 2 COASTS: **IMPORTANT** CHECK THIS

- 6/3/39. A small species somewhat like *chrysoptera*. In shocking moult. Imm. appear common & full grown.
- 14/3/39. Exceedingly common in forests. Feed much in low shrubs near ground, but also to a large extent high up, though I doubt it often goes above 30 ft.
- 15/3/39. Imm. are very friendly & approach to calls, almost perching on observer, is necessary to frighten them away for shooting.
One shot.
- 16/3/39. Very common but adults are in shocking moult. Very friendly. A number of specimens of birds in bad moult were examined, 2 ♀ ad. had all tail except R.1 + L.1. in moult, order seemed to be 2, 4, 3, 5, 6, gonads were $\frac{1}{2}$ - $\frac{1}{2}$ +, body moult was heavy & W. were 4, 5, 13, 14. Females appear to be somewhat behind males in moult, probably having continued attending to young for longer periods. I noticed an adult (shot) chasing a young away evidently scaming it.
2 specimens collected SK 34 E ♂ adult SK 34 F ♀ imm.
- 17/3/39. Very inactive because of rainy day
- 24/3/39. Feeding high mostly, generally above 20 ft. By the numbers of imm. in comparison with adults, I should say this species breeds twice a year.
- 27/3/39. Exceedingly common & active. Imm. ⁺♀ plumage outnumbered adult ♂ by about 10 to 1.
- 28/3/39. Common. One female seen copulating, shot & lost.
- 30/3/39. Mostly feeding middle & upper layers today. More active in sun.
- WAILU 3/5/39. One male ad. of this species seen within a few yards of camp. ^{no} more seen.
- 5/5/39. Possibly a highland bird. Only rufiventris seen hereabouts mostly up to 30/5/39. Is present but rare, one adult + 1 imm. of this species only seen



ARTAMUS LEUCORHYNCHUS MELALEUCUS :-(WAGLER)A.M.N.H. has. NINE (9) Wants. FOUR (4).Exchange value. FAIR Total Permit No. 8 No. forbournea. 2.Remarks:

- 6/3/39. Common in open country, rare in forest, only seen on margins.
- 14/3/39. Fairly numerous in true forests especially about clearings + where dead trees are present offering good perching sites.
- 15/3/39. A few seen about forest clearing near timber getters camp.
- 16/3/39. 1 seen hawking high in forest.
- 17/3/39. Number seen feeding even in heavy rain.
- 20/3/39. Several seen feeding in clearings. Am shot. Stomch very bad.
- 24/3/39. Does inhabit absolute forest but prefers the clearings + more open places there in or were trees are lower.
- 27/3/39. None seen strangely.
- 28/3/39. Numbers seen feeding in forest + clearing, high up.
- 30/3/39. A few seen in clearings.
- WAILU 3/5/39. Very abundant + usual.
- up to 30/5/39. Common + always about in numbers.
- 17/6/39. Unaltered behaviour + numbers though inclined to be wide awake.
- 19/6/39. Normal + common.



APLONIS STRIATA STRIATA:- (GMELIN)A. M. N. H. has TWELVE (12) Wants. FOUR.Exchange value. FAIR. Total Permit No. 8 No. forbournea 3Remarks.6/3/39. seems fairly abundant. Appears the same as the *Soyalties*.

14/3/39. a few heard & seen very high in forests. Are shy & wary.

15/3/39. It is evident this species lives mostly in the higher levels of the forest, seldom coming low. Is exceedingly shy.

16/3/39. a number seen. 1 shot. very poor specimen, bad mount L.T.V. SK34C ♂ $\frac{1}{4}$ + ^{ad(?)}17/3/39. numbers heard & seen, irrespective of all but heaviest rain continued to feed. Apparently live almost entirely above 40 or 60 ft.
One shot SK35A1 ♀ imm. L.T.V.

20/3/39. more than usual seen today. Lives in small flocks up to half a dozen, almost entirely in tree tops. Favours perching on bare dead trees, limbs & twigs. This species appears to have a sentry on watch while others are feeding.

23/3/39. always seen in small parties. Very shy & wary.

24/3/39. several parties seen on wing.

27/3/39. several flocks & family parties seen & heard. very active.

28/3/39. several flocks seen. Two birds seen feeding near ground, never seen in forest before. Maybe heavy rain responsible for high feeding.

30/3/39. several parties seen. all high up.

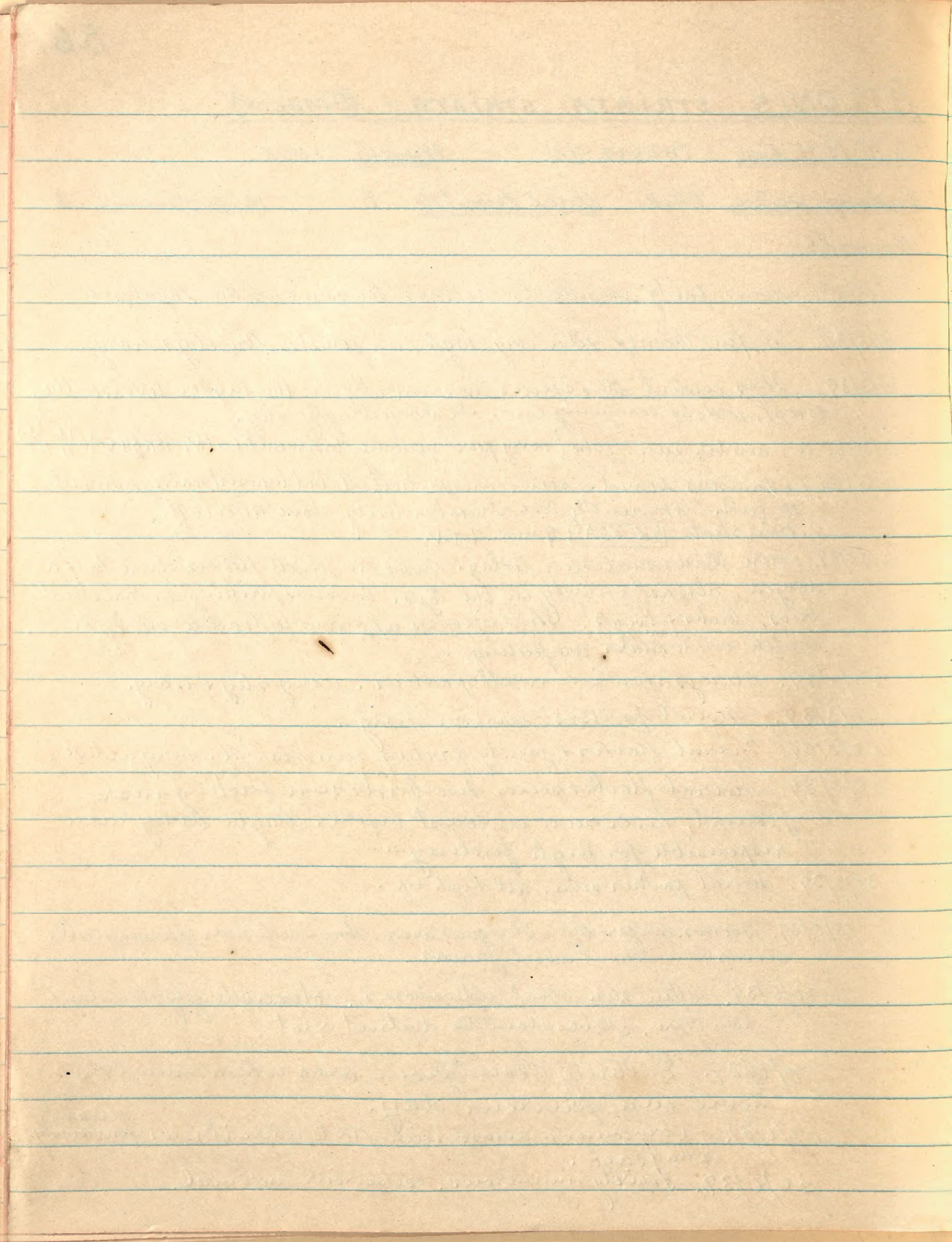
WAILU 3/5/39. Seems larger than Paroques area. Has much more pleasing calls. seems abundant about guavas.

upto 30/5/39. Often seen about cultivations. Not exceedingly abundant even there. Moves about the district a lot.

17/6/39. Entirely absent from area where numbers were seen previous day.

19/6/39. very common across river flats where it was ~~previously~~ ^{absent} 2 days ago.

20/6/39. Fairly numerous. Behaviour normal.



CORVUS (PHYSOCORAX) MODI EDULODES: - (LESSON)A. M. N. H. has. FIVE (5) Wants. SIX (6).Exchange value. GOOD. Total Permit No. 10. No. for Noumea. 2.Remarks.

- 6/3/39. 2 small parties were heard. Gets rocks from cutters for egg & chicken stealing.
- 14/3/39. Two parties seen, 2 adults & 2 juveniles, 1 juv shot. N.S. for specimen.
- 16/3/39. a single one heard calling.
- 20/3/39. Generally in small parties of up to 4. Several parties seen, feeding in middle layers of forest.
- 24/3/39. Does not seem very common in the forest at this season.
- 27/3/39. Several parties heard. Much more active & noisy in fine weather.
- 28/3/39. Very active & noisy seems much more common ^{than} in wet weather.

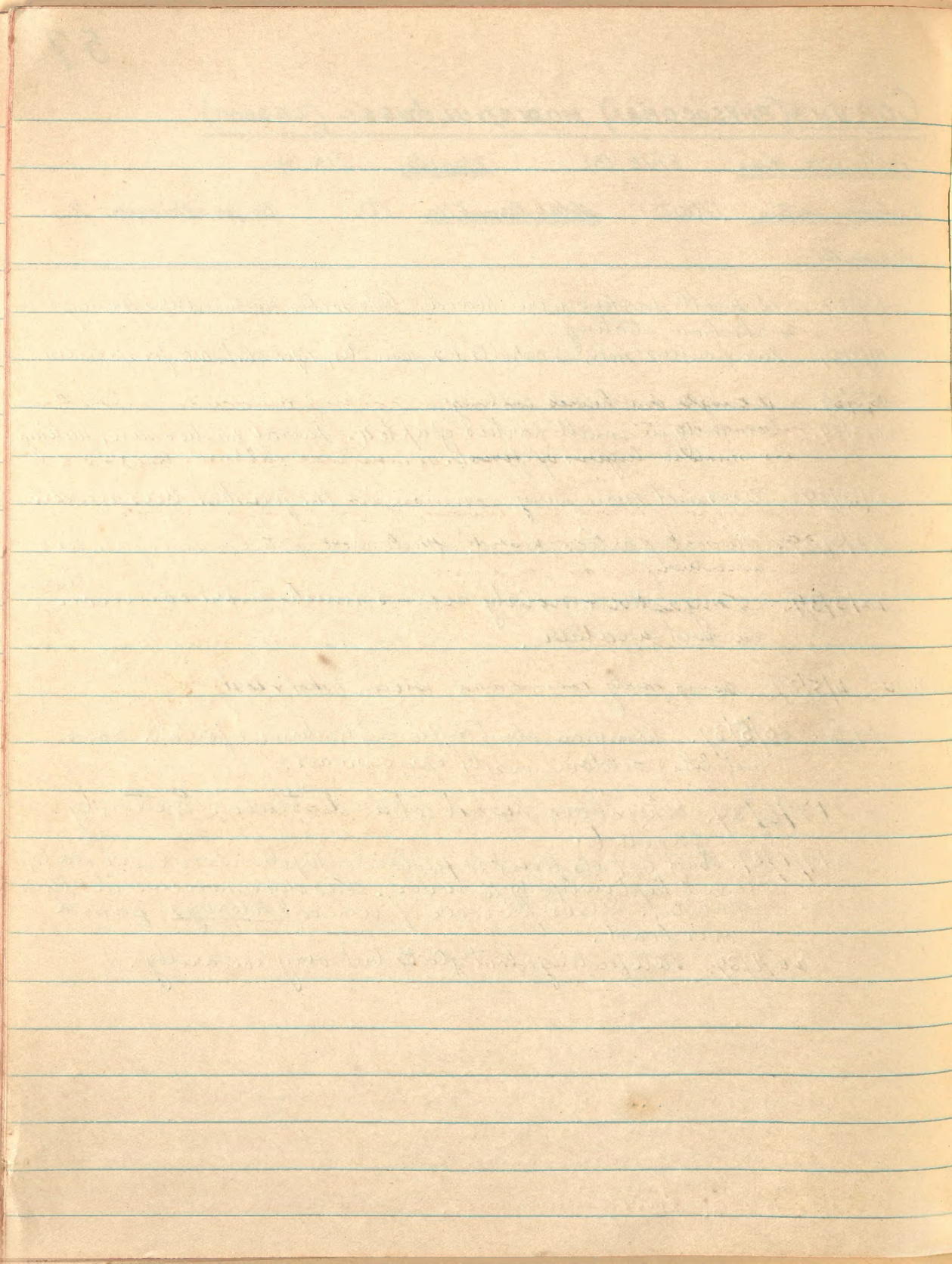
WAILU 4/5/39. seems fairly common in area. 1 shot & lost.

upto. 30/5/39. Common about coffee cultivations & forests. Does not like & seldom visits open areas.

17/6/39. Whumbers heard at a distance. Extremely excited.

19/6/39. Had left its forest to feed on caterpillars on river flats, but kept carefully to cover. Was shy & nervous in this habitat. Dives for cover if even a Chotophys passed over head.

20/6/39. still feeding about flats but very cowardly.



PHILEMON LESSONI :- (GRAY).A.M.N.H. has EIGHT (8). Wants. Six. (6).Exchange value GOOD. Total Permit No. 10. No. for collection. 2.Remarks.

6/3/39. Exceedingly noisy + abundant in the forests. The majority
 sun shy, some are cheeky. Feeds much on a sticky wadded tree.

14/3/39. Exceeding noisy + plentiful. Feeds + calls a lot during rain.

15/3/39. Noticeable this species was neither as active or noisy as usual when
 the rain was off.

16/3/39. Exceedingly common but does not commence calling till 2 hours
 after sunrise.

17/3/39. Not as active or noisy as previously, but more active than previous
 days. Feed + calls much in all but heaviest rain.

20/3/39. A number seen + heard as usual.

21-24/3/39. Plentiful but not as noisy as usual.

27/3/39. Very abundant + active, but not calling much.

28/3/39. Common + active but not as noisy as in wet
 weather.

30/3/39. Noisy + active.

WAILEU 4/5/39. Not abundant but a few are seen. Appears smaller than in
 forest areas. Is persecuted for eating by natives + whites.

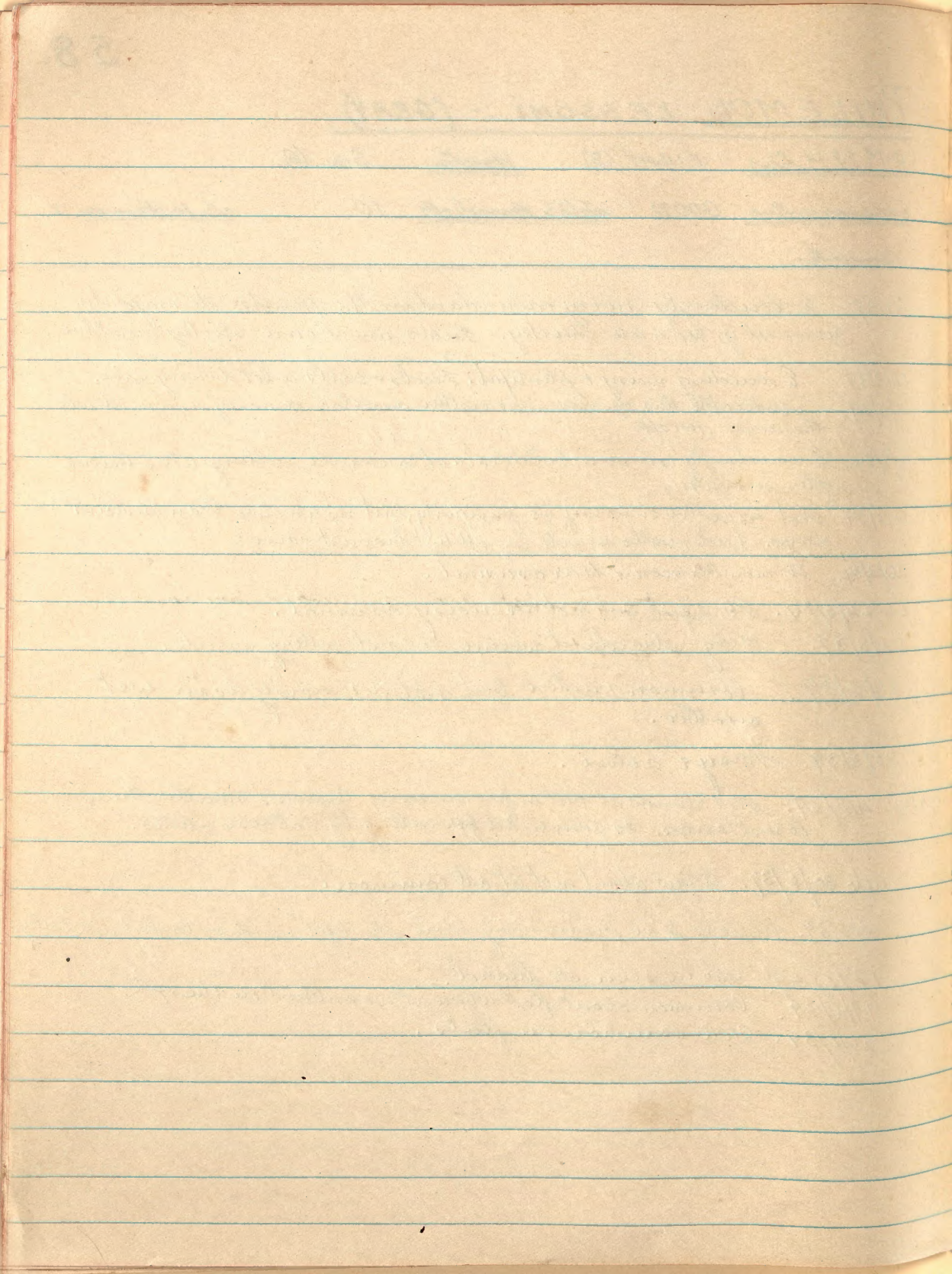
upto 30/5/39. A few about not at all common.

13/6/39. Appears to be becoming more plentiful in lower levels of river valley.

17/6/39. None seen or heard.

19/6/39. Common about flat where it was absent on the 17th.

20/6/39. Still common on flats.



LEPTOMYZA AUBRYANA:- (VERREAUX & DESMURS).A. M. N. H. has: FOUR (4) Wants: TEN (10)Exchange value: VERY GOOD. Total Permit No. 19 No. for Moumoua: 4.Remarks: SINGLE RED TICK.

- 15/3/39. Strange calls heard somewhat like Aust. Wattle Bird, may be this species. Question stays more closely this species.
- 21/3/39. One seen & shot. Collected. call like clearing throat but guttural.
- 22/3/39. One seen & collected, others seen, seems fairly plentiful. Inhabits upper & middle layers. Is curious & will come to lure calls.
- 24/3/39. Several seen, all high up. Appears to have no song. Calls somewhat like Phalimou but less harsh. Has a "chock-chock - techook" call.
- 27/3/39. Several heard.
- WAILU 4/5/39. Believe one of these was seen.
- up to 30/5/39. None seen to date but natives say it is present.

1875
The first of the year was a very dry one
and the crops were much injured
by the drought. The wheat was
very poor and the corn was
scarcely up to the usual
standard.

The second of the year was a
very wet one and the crops
were much improved. The
wheat was very good and
the corn was up to the
usual standard.

The third of the year was a
very dry one and the crops
were much injured. The
wheat was very poor and
the corn was scarcely up
to the usual standard.

The fourth of the year was a
very wet one and the crops
were much improved. The
wheat was very good and
the corn was up to the
usual standard.

The fifth of the year was a
very dry one and the crops
were much injured. The
wheat was very poor and
the corn was scarcely up
to the usual standard.

GUADALCANARIA UNDULATA :- (SPARRMAN).A. M. N. H. has: TEN (10) Wants. Six (6).Exchange value. GOOD. Total Permit No. 10 No. forbournea. 2.Remarks.

6/3/39. Am not sure but believe it feeds high in forests, very active.
May be different.

20/3/39. What are believed to be this species have for several days been seen very high in forest. Never seen low. Few about in rainy weather odd ones appear more plentiful in brief intervals between showers.

22/3/39. One shot & lost. Has different calls to the coast, a purely tree top species.

24/3/39. Two seen & shot, very high up. appears, same as coast.

27/3/39. One seen feeding only 15 ft. up in forest. specimen shot. all others seen in high trees. Very active, feeding & calling much.

28/3/39. Many more than usual seen. Is a fair weather bird.

WAILU 3/5/39. Fairly common but not very abundant.

up to 30/5/39. Still as before.

13/6/39 seems to have decreased slightly in numbers.

17/6/39 none seen or heard.

19/6/39 numbers again normal.

20/6/39 abnormal.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

REPORT ON THE PROGRESS OF WORK

During the past year the work has been directed towards the study of the properties of the new element, and the results are as follows: The atomic weight has been determined to be 238.07, and the half-life is found to be 4.82 years. The decay constant is $\lambda = 0.000441$ per year.

The following table gives the results of the measurements of the half-life of the new element, and the corresponding values of the decay constant.

It is seen from the above table that the half-life of the new element is 4.82 years, and the decay constant is $\lambda = 0.000441$ per year. The results are in good agreement with those obtained by other workers.

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LICHMERA INCANA INCANA :- (LATHAM)A. M. N. H. has.: FIVE (5) POOR SPECIMENS. Wants.: TEN. (10).Exchange value. FAIR. Total Permit No. 15. No. forebournia. 3.Remarks. ONE RED TICK.

6/3/39. Present in open areas now heard in forest.

27/3/39. seems entirely absent in forest.

WAILU 3/5/39. A few about everywhere + larger colonies here + there at wide intervals near coconuts. Sings much along river margins.

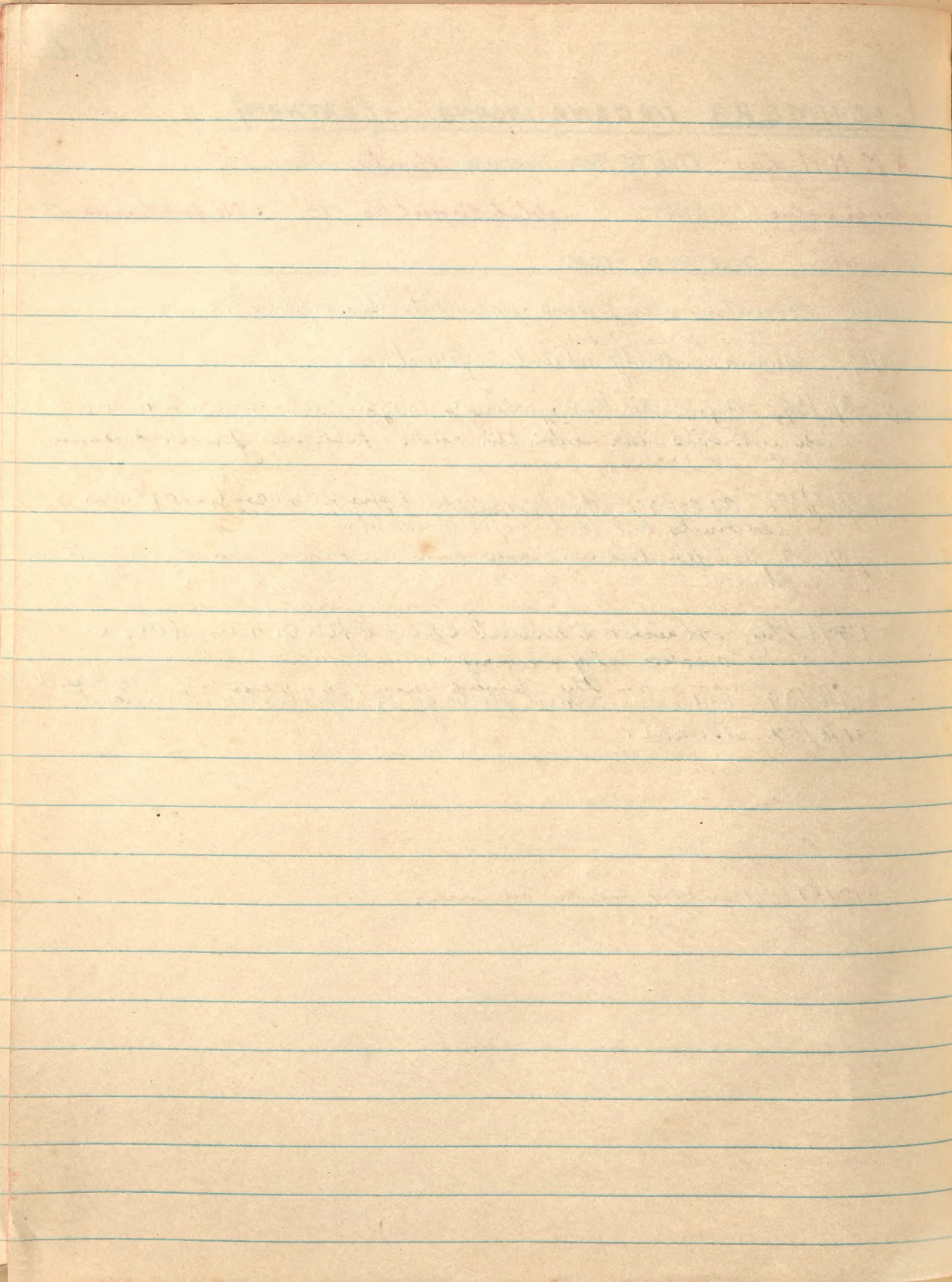
upto 30/5/39. as before. Numbers appear to have decreased, except near coconuts, but that is open to doubt.

13/6/39. As before. becomes more common on heathland when they are in flower.

17/6/39. Abundant as usual except fewer numbers + more shy + wary.

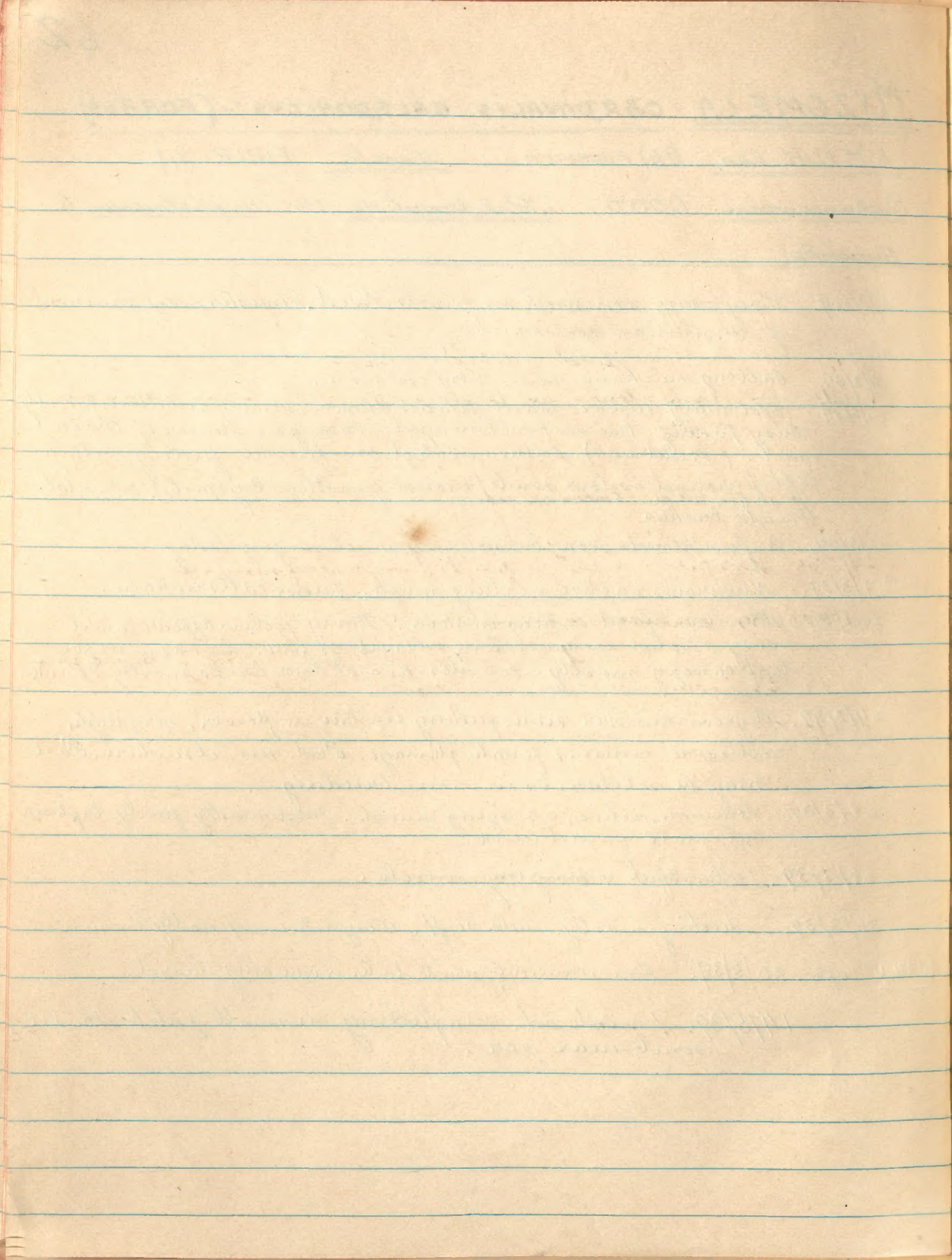
19/6/39. Common about flat again, in fact extra abundant.

20/6/39. Normal.



MYZOMELA CARDINALIS CALEDONICUS :- (FORBES)A. M. N. H. has: (14) FOURTEEN. Wants: FOUR. (4)Exchange value. GOOD. Total Permit No. 12 No. for exchange. 6.Remarks.

- 6/3/39. Very very common in forests. Good songster, very reminiscent of Australian species.
- 14/3/39. Calling much in rain. Very common.
- 15/3/39. Shot many seen or heard between shower, seemed subdued, probably busy feeding. One shot but damaged. Feeding on flowers of *Arca nut.* (Betel nut) palm. Noted one female feeding within 3ft of ground in low scrub (second growth on log tracks) on wild tomato bushes.
- 16/3/39. A few heard & seen, but not very much singing today.
- 17/3/39. Numerous & active & calling much. Feeds & calls in rain.
- 20/3/39. Numbers heard calling in rain. Honey suckers appear more noisy & active in rain than when it is fine. Lives in upper leaf canopy mostly. Females live at lower levels mostly I think.
- 24/3/39. A great number seen feeding in tree in flower, very high, all were imm. & female plumage. Ad. seen elsewhere. Ad. may be solitaries in non-breeding.
- 27/3/39. Common, active, & singing much. Feeds mostly fairly high up but can be called lower.
- 28/3/39. Plentiful & singing much.
- 30/3/39. Feeding mostly under 20 ft. Very active, especially in sun.
- WAILU up to 30/5/39. One imm. ♂ & ♀ seen to date. & one only heard.
- 14/5/39. 1 male ad. seen feeding in small patch. Koulic scrub near sea.



ZOSTEROPS (FLAV) XANTHOCHROA :- (GRAY).A. M. N. H. has. EIGHT (8). Wants. (8) EIGHTExchange value. GOOD Total Permit No. 15 No. for Noumea. 3.Remarks.

- 6/3/39. Not common in forests. Feeds at all levels, 3 parties seen one each in tree tops, middle + ground areas.
- 14/3/39. A few seen + heard, subdued in rain.
- 15/3/39. More active today, not family parties of 6+ more are common here in forest.
- 16/3/39. A few parties of 6 seen, but not common today. All were feeding very high 40 ft + more up.
- 17/3/39. Very inactive, only 1 seen.
- 20/3/39. Not at all common in forests, very widely scattered.
- 24/3/39. Comparatively rare in forest.
- 27/3/39. More abundant + active this fine morning. Even so not common. Generally seen in small parties of up to six.
- 28/3/39. Only 1 seen very high in forest.
- 30/3/39. More than usual seen in forest. Several parties seen. Feeding mostly low, but a few high up. an all level feeder.

WAILU 3-5/5/39. Numbers seen. Does not seem as abundant as latralis except in scrubby areas. Appears to vary somewhat from Perigues area.

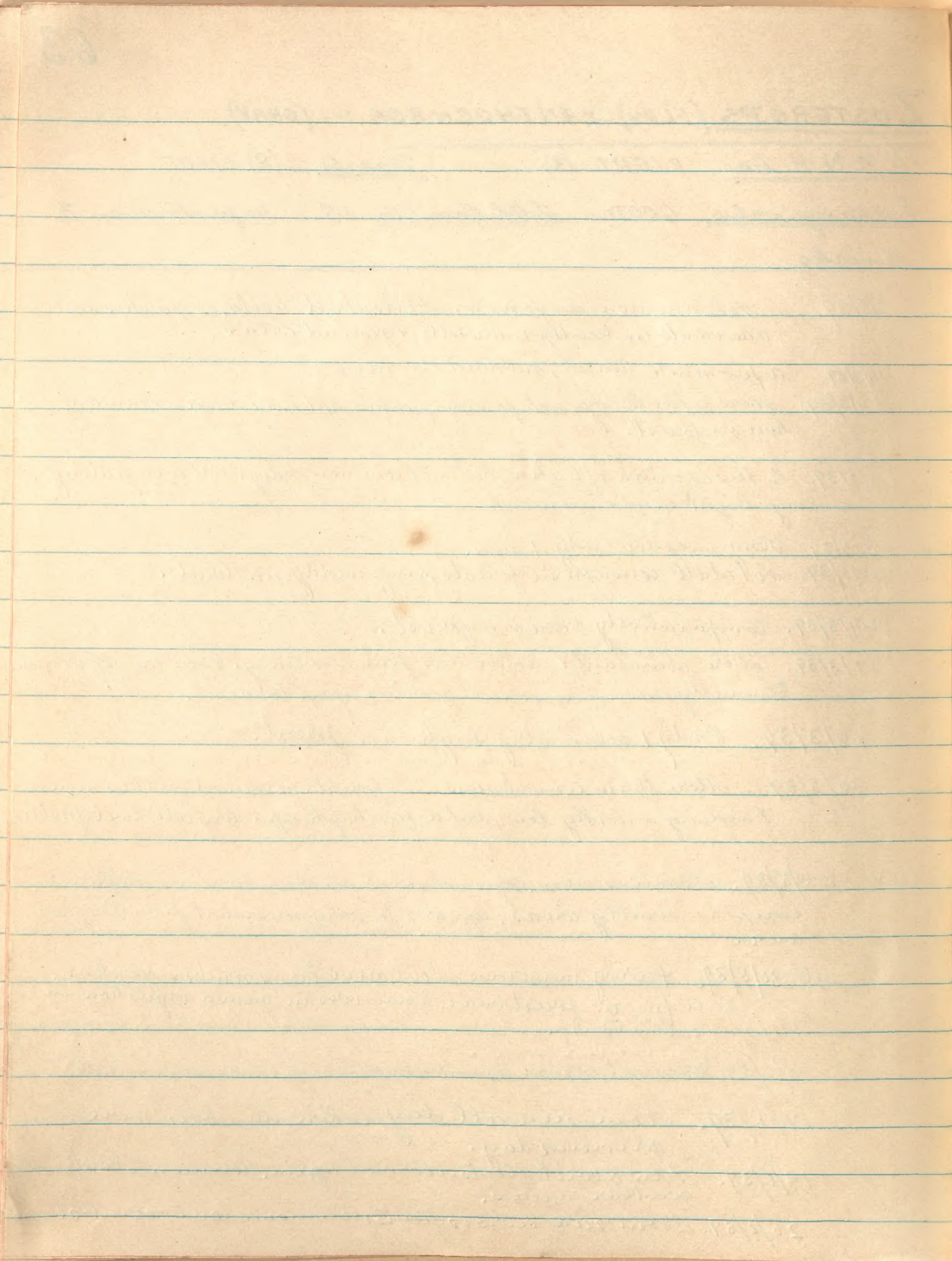
upto 30/5/39. Fairly numerous about river trees + scrubs + gardens. A few in forest areas. + numbers in guava vegetation in cultivations.

13/6/39. Does not appear common in open areas near river mouth.

17/6/39. None seen all day where numbers were previous day.

19/6/39. Few about flats. Normal again. Common about scrubby areas.

20/6/39. None seen across flats, common about scrubs.



ZOSTEROPS LATERALIS GRISEONOTA:- (GRAY.)A. M. N. H. has FOUR (4) POOR Specimens Wants EIGHT (8)Exchange value: FAIR. Total Permit No. 15 No. for Boumea. 3.Remarks. SINGLE RED TICK.

6/3/39. A louder call heard in forest may be this species but more likely a Flav. in distress at losing its mate.

30/3/39. Believe this species is entirely absent in forest.

VAIU 5/3/39. Common in area, especially in open areas about lantana + guavas.

up to 30/5/39. Common in more open types of country, lantana ganta + guava thickets, also about river banks.

13/6/39. Exceedingly abundant in open grass-wood flats at river mouth.

17/6/39. Numbers greatly reduced + birds very shy.

19/6/39. Normal + abundant.

20/6/39. Slightly below normal across flats.

THE HISTORY OF THE UNITED STATES

BY JOHN B. HENNINGSHAW

VOLUME I

CHAPTER I
THE DISCOVERY OF AMERICA

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ERYTHRURA PSITTACEA :- (GMELIN.)A. M. N. H. has. TEN. (10)Wants. SIX (6).Exchange value: GOOD.Total Permit No. 13No. forbournea. 3.Remarks.

- 6/3/39. Some seen in lowlands in open areas none seen or heard in forests or near them, possibly too near middle of the day for them.
- 13/3/39. seems plentiful even in real forest.
- 15/3/39. some seen in deepest tall forest, & feeding near the ground.
- 17/3/39. One heard calling in dense forest in grey dawn.
- 20/3/39. Few about during this extremely wet weather.
- 22/3/39. Family party 2 adults + 2 imm. seen. Adults still feeding imm. in absolute forest. Others seen feeding along tracks very early.
- 24/3/39. Party 6 to 8 imm. evidently weaned, no adults, feeding themselves in absolute forest. On ground & fallen logs etc.
- 27/3/39. Active very early but very soon retired to deep forest.
- 28/3/39. Later off the marsh to feed than usual. A family party 2 adults + 2 imm. seen in true forest.
- 30/3/39. One heard, none seen.

WAILU 3-5/5/39. Very abundant, seen everywhere. Often in company of 2 introduced species of finches hungeles + distinct breast. Ann. minimum about one species of finch. may be so far unrecorded introduction up to 30/5/39. Usual. not very abundant. shy & wary.

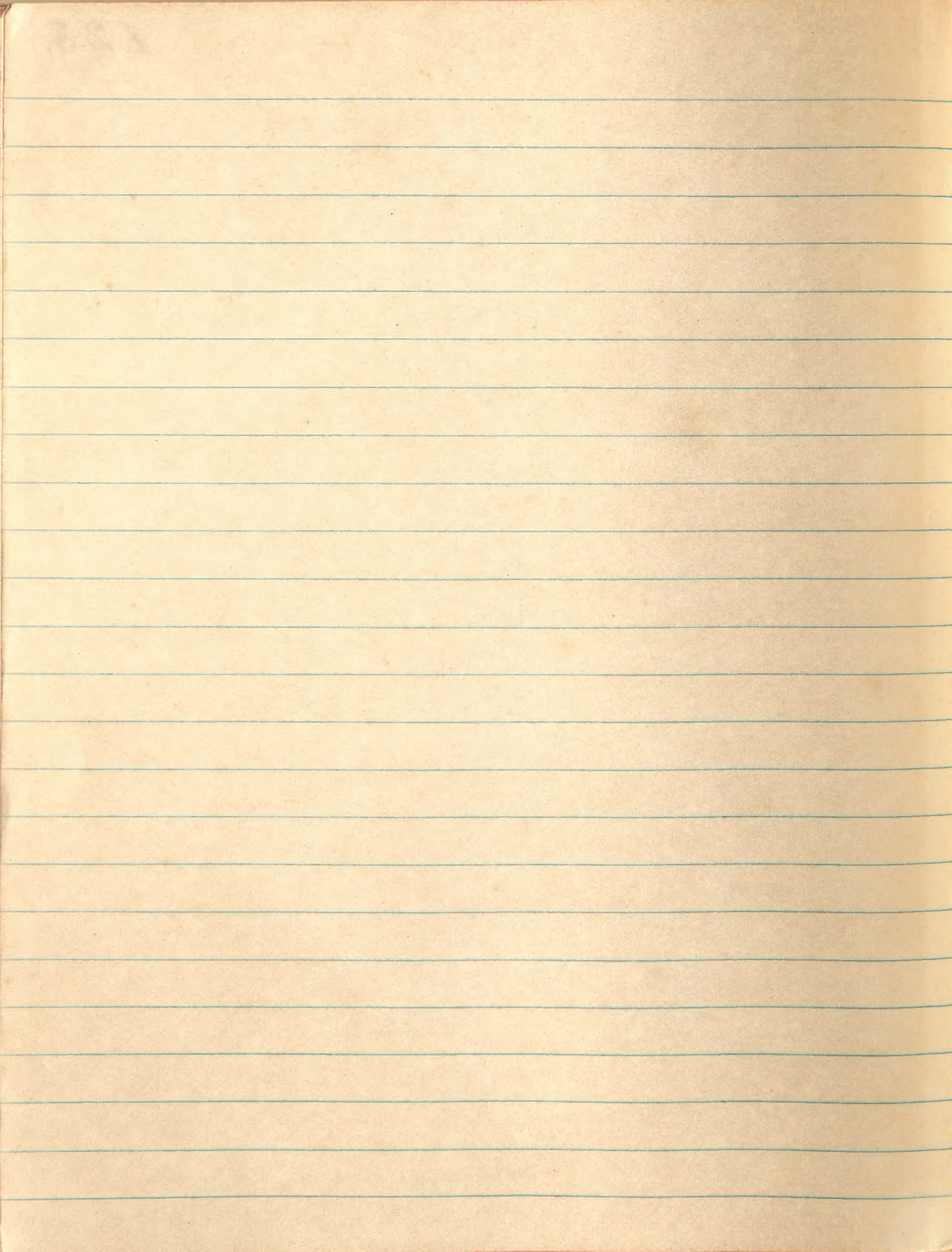
13/6/39. Appears to be becoming more abundant in lower reaches of river + across grass + scrub flats in that locality. Is an early riser + feeder, but feeds continues to feed to a much later hour on these cold mornings & may be seen feeding even as late as 10 AM.

17/6/39. Only odd ones seen where large numbers were feeding previous day. Very shy & wary.

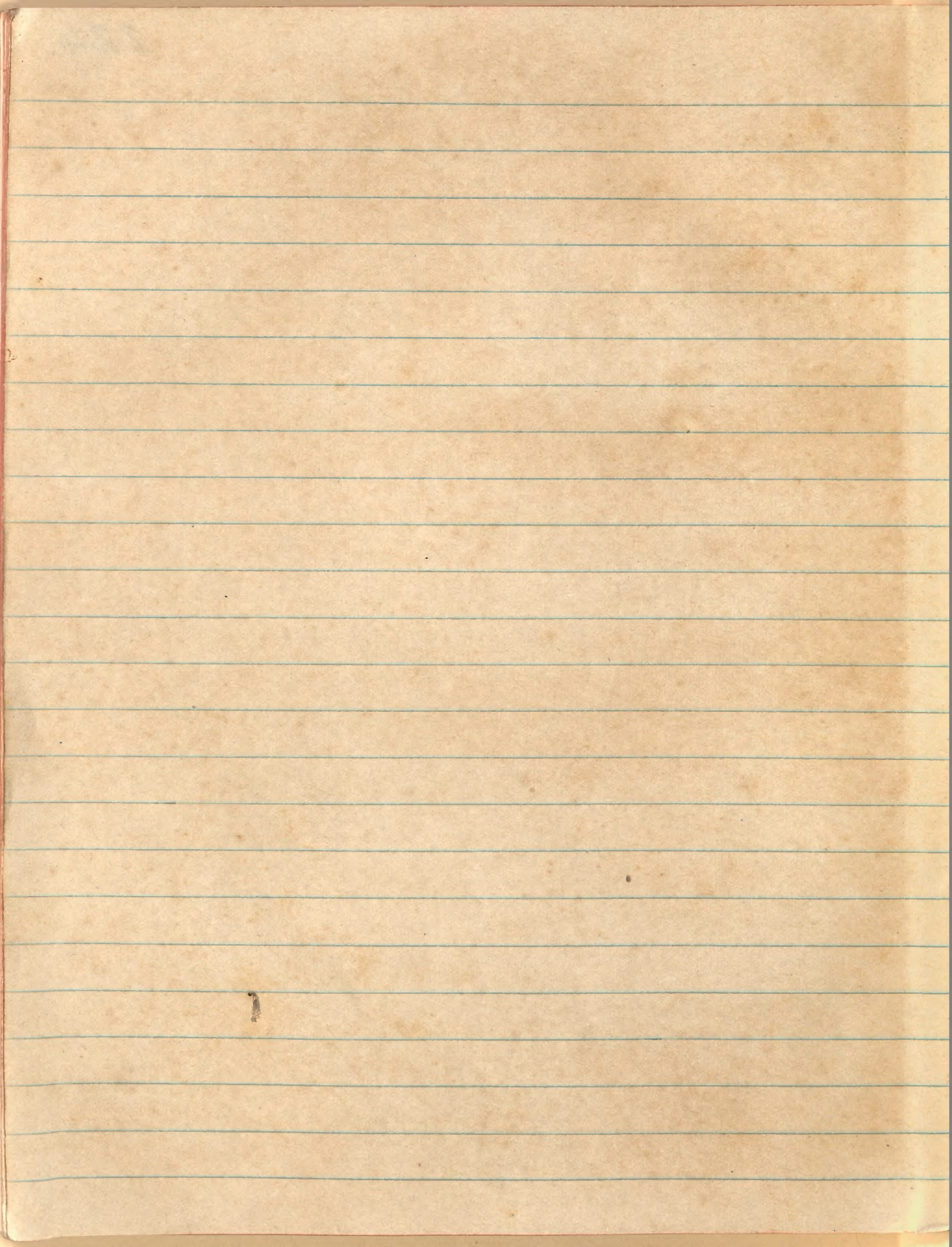
19/6/39. Again very plentiful about the river flats. Parties of up to 10 seen.

20/6/39. Normal + abundant across flats, heathlands + scrub.
Generally seen in pairs, sometime 3 or 4, rarely 6. Occasionally
mobs join to feed but split upon striking.

67.



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